

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL081921\
 Data File : VL037500.D
 Acq On : 19 Aug 2021 15:56
 Operator : SY/AP
 Sample : M3480-01DUP
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SR-SG-1DUP

Manual Integrations
 APPROVED

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 8/20/2021 6:31:08 PM

Quant Time: Aug 20 00:45:27 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL081621AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Aug 18 2021
 QLast Update : Tue Aug 17 02:13:47 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1398671	10.00	ppbv	0.02
33) 1,4-Difluorobenzene	7.18	114	4124230	10.00	ppbv	0.02
55) Chlorobenzene-d5	12.09	117	3467560	10.00	ppbv	0.02

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.42	95	2376121	9.65	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	96.50%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.05	85	43447	0.194	ppbv	99
3) Chlorodifluoromethane	2.99	51	832969m	3.110	ppbv	
4) Chloromethane	3.14	50	40464	0.423	ppbv	93
7) Chloroethane	3.56	64	4999	0.149	ppbv #	78
9) Propene	3.02	41	191900	2.003	ppbv	92
10) Heptane	8.13	43	31942m	0.145	ppbv	
11) Trichlorofluoromethane	3.95	101	41352	0.196	ppbv	84
13) Ethanol	3.61	45	3914518	419.791	ppbv	97
15) Acetone	3.85	43	4670454	32.811	ppbv	98
17) tert-Butyl alcohol	4.30	59	184619m	1.420	ppbv	
19) Isopropyl Alcohol	3.97	45	769358	9.434	ppbv #	1
20) Methylene Chloride	4.35	84	8794076	123.393	ppbv	92
26) Hexane	5.69	57	5944331	33.645	ppbv #	46
27) Carbon Disulfide	4.56	76	41054	0.261	ppbv #	56
29) Chloroform	5.75	83	134770m	0.538	ppbv	
31) cis-1,2-Dichloroethene	5.55	61	48440m	0.303	ppbv	
32) 1,1,1-Trichloroethane	6.52	97	7659m	0.031	ppbv	
34) 2-Butanone	5.25	43	378874	2.250	ppbv #	69
35) Carbon Tetrachloride	7.02	117	16216m	0.067	ppbv	
36) Benzene	6.90	78	1038699	2.996	ppbv	98
38) Trichloroethene	7.84	130	349394	2.456	ppbv	96
40) 1,4-Dioxane	7.84	88	64667m	1.981	ppbv	
44) 2,2,4-Trimethylpentane	7.87	57	118304m	0.203	ppbv	
50) 4-Methyl-2-Pentanone	8.76	43	59743	0.272	ppbv	98
51) 2-Hexanone	10.13	43	58015m	0.574	ppbv	
52) Tetrachloroethene	11.23	164	40813m	0.287	ppbv	
53) Toluene	9.81	91	398076	1.006	ppbv	99
58) Ethyl Benzene	12.71	91	47141m	0.098	ppbv	
59) m/p-Xylene	12.98	91	112821m	0.270	ppbv	
60) o-Xylene	13.69	91	64523m	0.166	ppbv	
61) Styrene	13.53	104	109064m	0.539	ppbv	
62) Isopropylbenzene	14.66	105	835035m	1.520	ppbv	
67) sec-Butylbenzene	17.30	105	72265m	0.103	ppbv	
69) p-Isopropyltoluene	17.65	119	64977m	0.114	ppbv	
70) n-Butylbenzene	18.55	91	105709m	0.194	ppbv	
73) 1,3,5-Trimethylbenzene	16.00	105	118879	0.276	ppbv	92
74) 1,2,4-Trimethylbenzene	16.76	105	316571m	0.691	ppbv	
79) Naphthalene	22.19	128	181810m	0.593	ppbv	
80) Naphthalene,2-methyl-	24.97	142	11039m	0.129	ppbv	

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Manual Integrations
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Quant Time: Aug 20 00:45:27 2021
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL081621AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Aug 17 2021
QLast Update : Tue Aug 17 02:13:47 2021
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

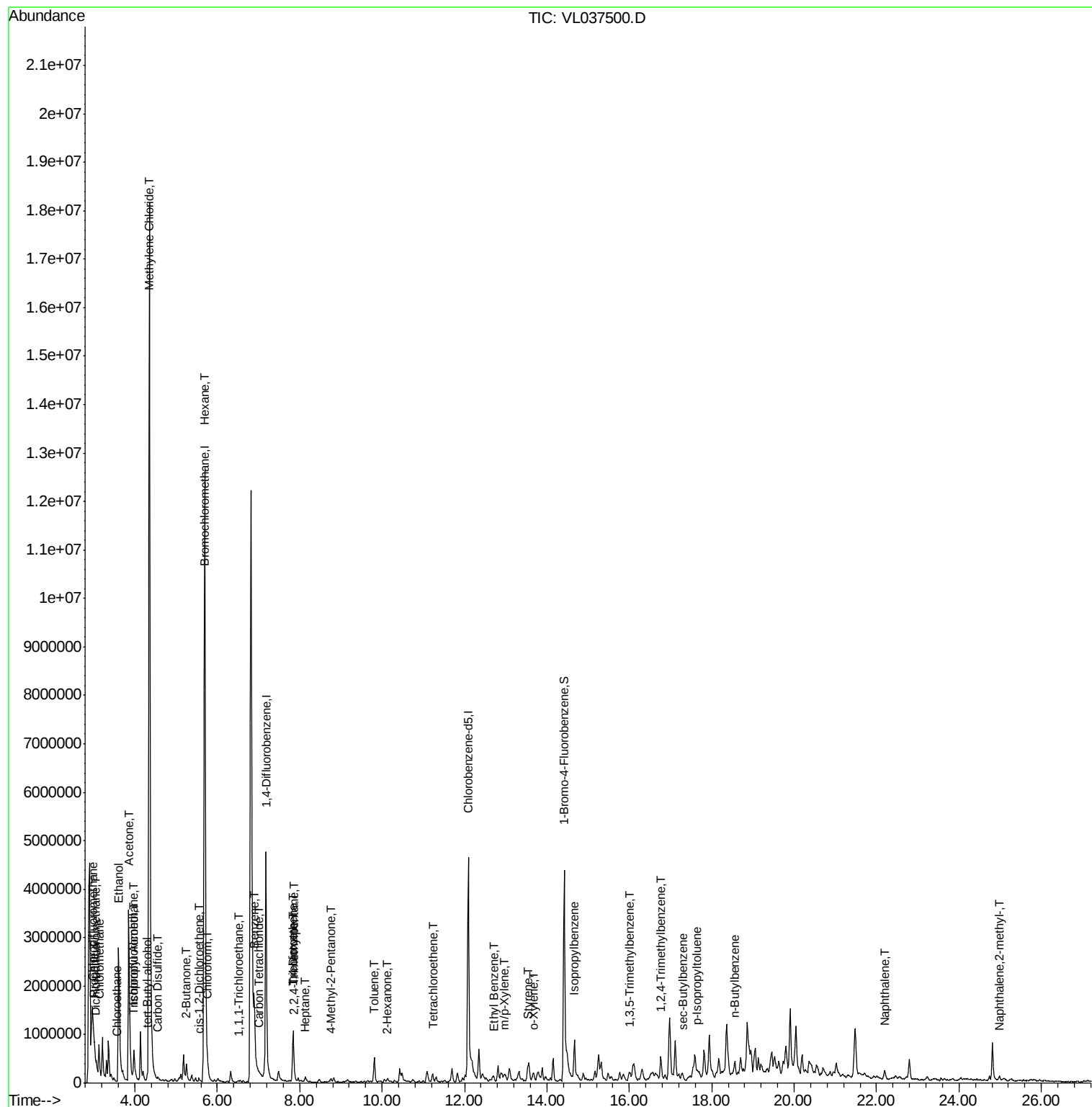
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL081921\
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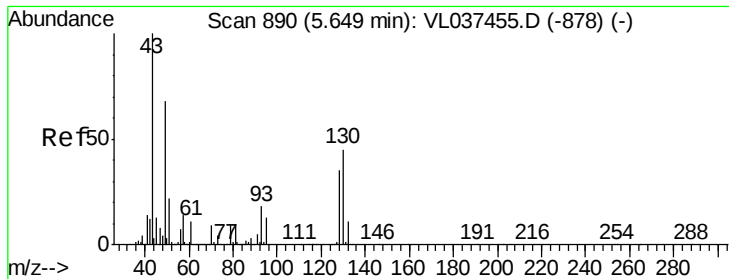
Instrument :
MSVOA_L
ClientSampleId :
SR-SG-1DUP

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL081621AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Aug
QLast Update : Tue Aug 17 02:13:47 2021
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 min Scan# 897

Delta R.T. 0.02 min

Lab File: VL037500.D

Acq: 19 Aug 2021 15:56

Instrument :

MSVOA_L

ClientSampleId :

SR-SG-1DUP

Tot Ion: 49 Resp: 1398671

Ion Ratio Lower Upper

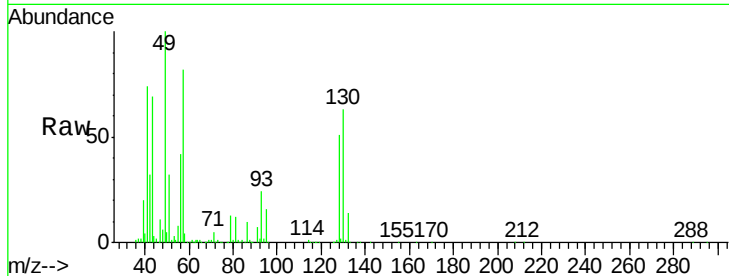
49 100

128 51.7 27.5 82.4

130 66.4 34.0 101.8

Manual Integrations
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0

800000

600000

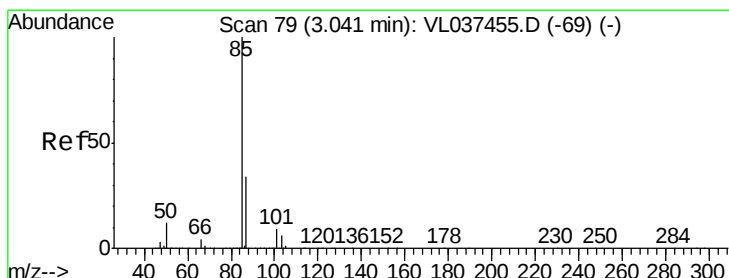
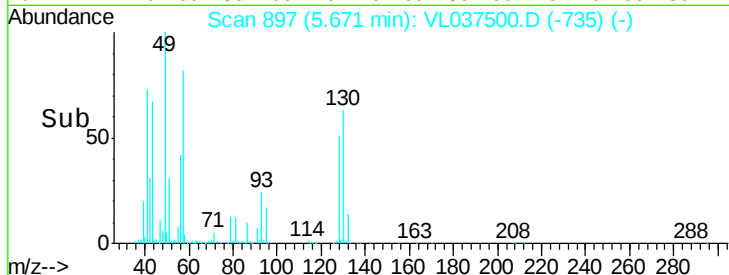
400000

200000

0

5.60 5.65 5.70 5.75

Time-->



#2

Dichlorodifluoromethane

Concen: 0.194 ppbv

RT: 3.05 min Scan# 82

Delta R.T. 0.01 min

Lab File: VL037500.D

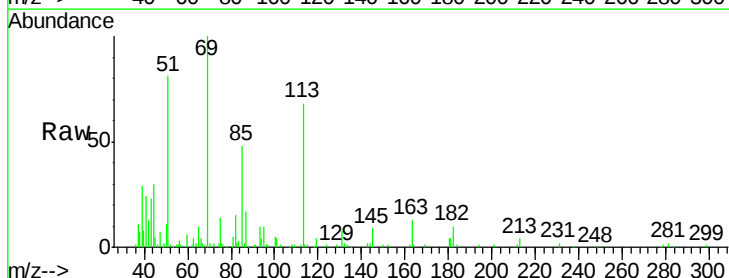
Acq: 19 Aug 2021 15:56

Tgt Ion: 85 Resp: 43447

Ion Ratio Lower Upper

85 100

87 33.7 27.6 41.4



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

30000

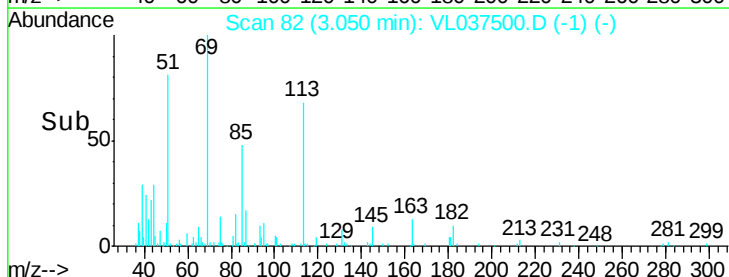
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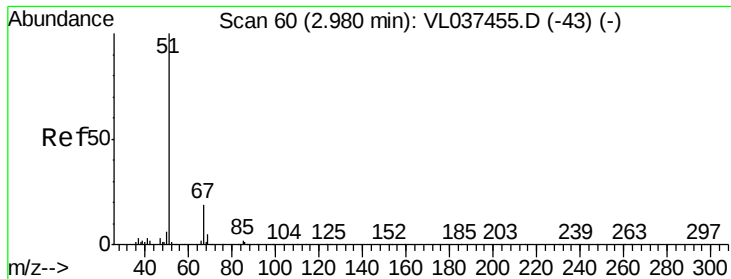
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0

3.00 3.05 3.10

Time-->





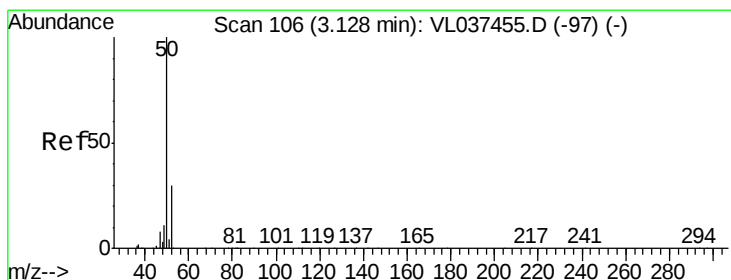
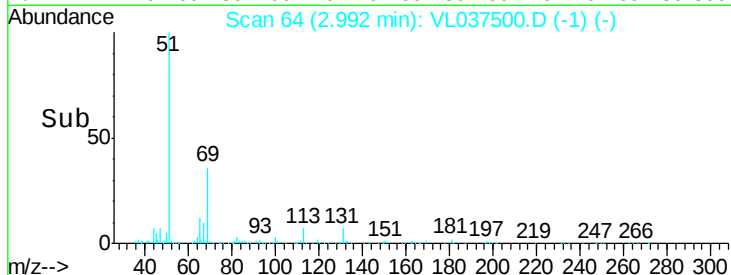
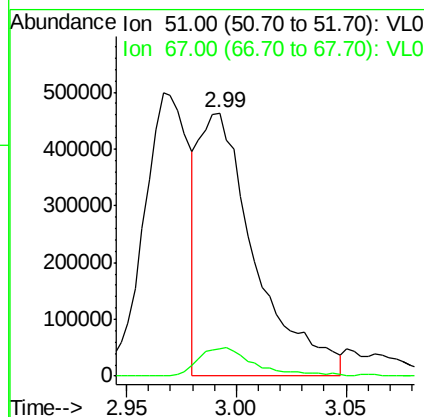
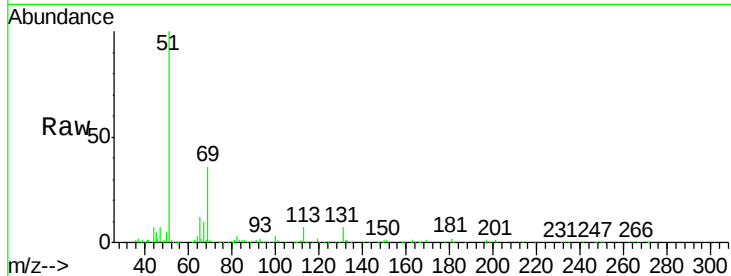
#3
Chlorodifluoromethane
Concen: 3.110 ppbv m
RT: 2.99 min Scan# 64
Delta R.T. 0.01 min
Lab File: VL037500.D
Acq: 19 Aug 2021 15:56

Instrument :
MSVOA_L
ClientSampleId :
SR-SG-1DUP

Tot Ion: 51 Resp: 832969
Ion Ratio Lower Upper
51 100
67 11.4 14.2 21.2#

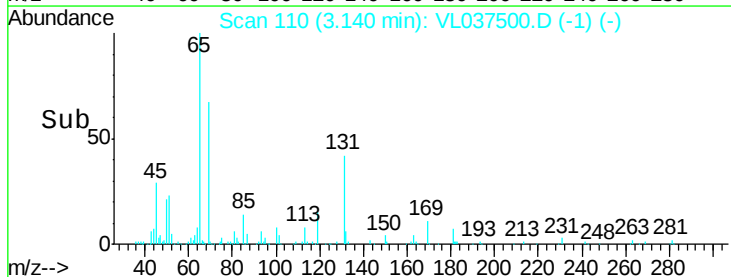
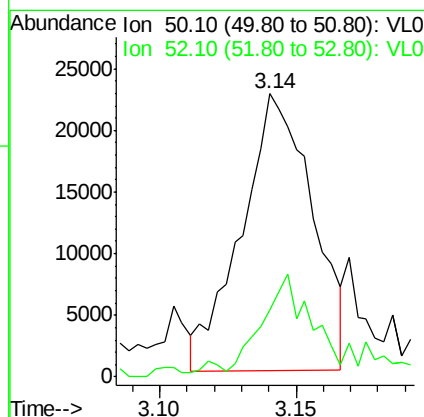
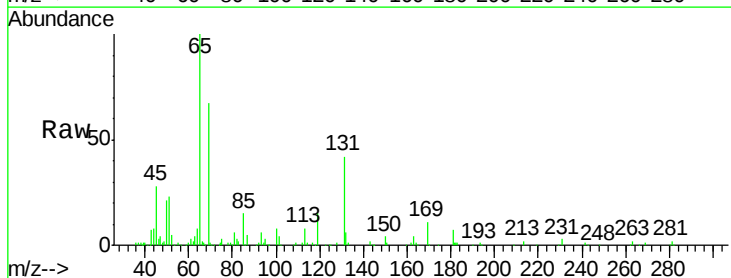
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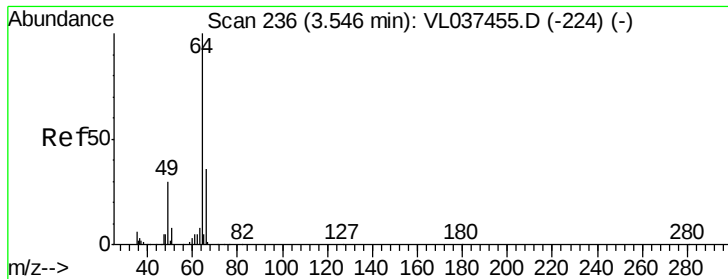
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#4
Chloromethane
Concen: 0.423 ppbv
RT: 3.14 min Scan# 110
Delta R.T. 0.01 min
Lab File: VL037500.D
Acq: 19 Aug 2021 15:56

Tgt Ion: 50 Resp: 40464
Ion Ratio Lower Upper
50 100
52 26.3 24.0 36.0





#7

Chloroethane

Concen: 0.149 ppbv

RT: 3.56 min Scan# 241

Delta R.T. 0.02 min

Lab File: VL037500.D

Acq: 19 Aug 2021 15:56

Instrument :

MSVOA_L

ClientSampleId :

SR-SG-1DUP

Tot Ion: 64 Resp: 4999

Ion Ratio Lower Upper

64 100

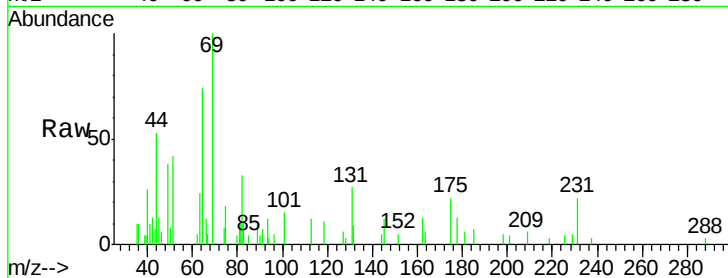
66 22.7 28.6 43.0#

Manual Integrations

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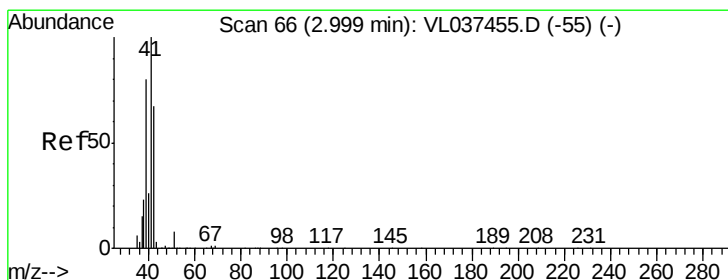
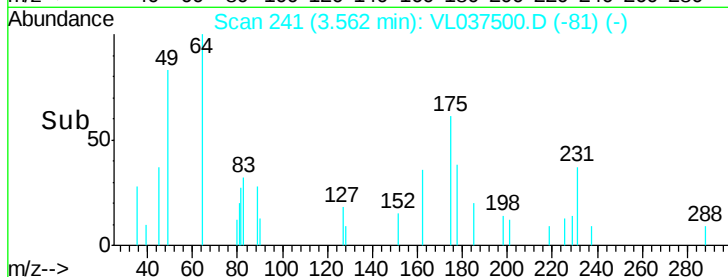
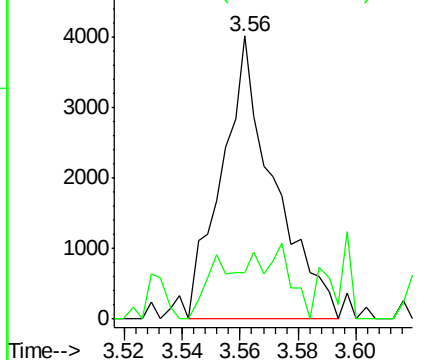
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Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



#9

Propene

Concen: 2.003 ppbv

RT: 3.02 min Scan# 72

Delta R.T. 0.02 min

Lab File: VL037500.D

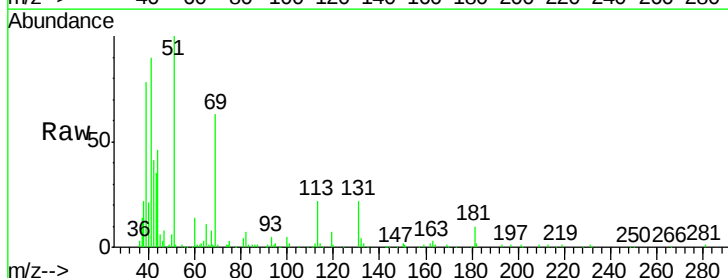
Acq: 19 Aug 2021 15:56

Tgt Ion: 41 Resp: 191900

Ion Ratio Lower Upper

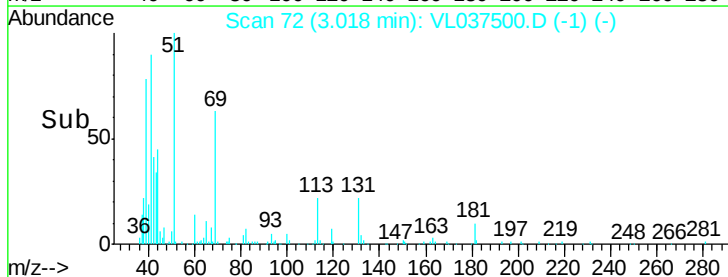
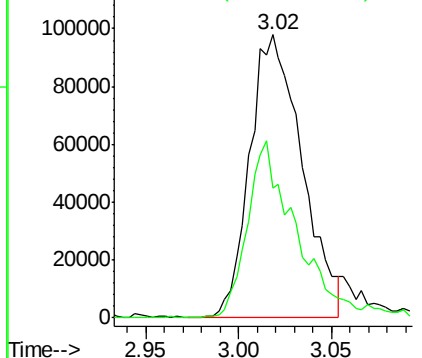
41 100

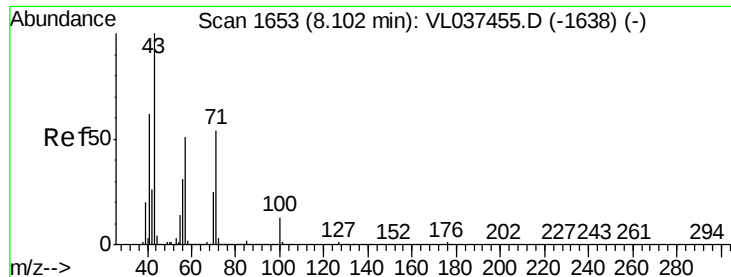
42 60.3 53.7 80.5



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0





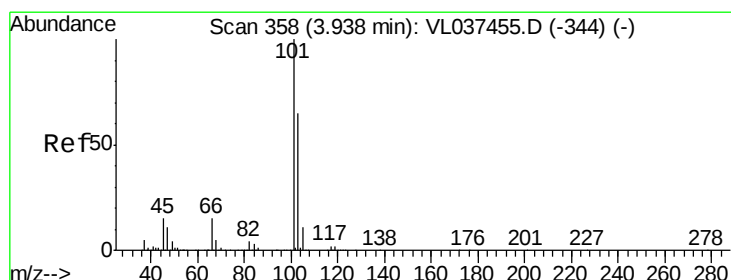
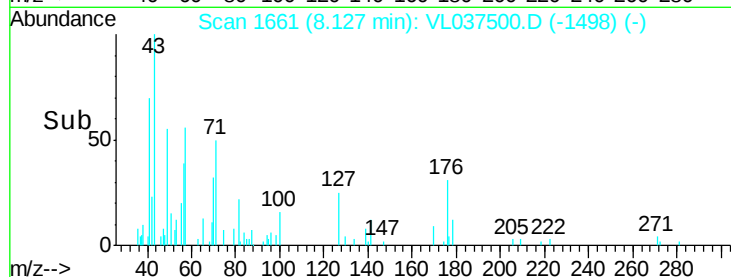
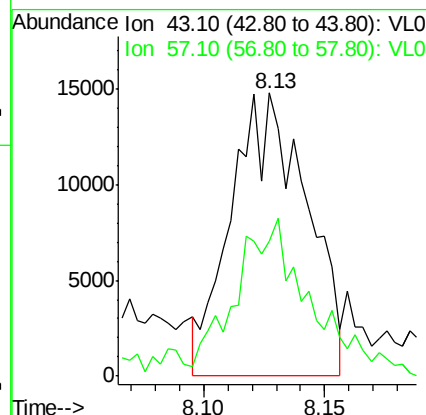
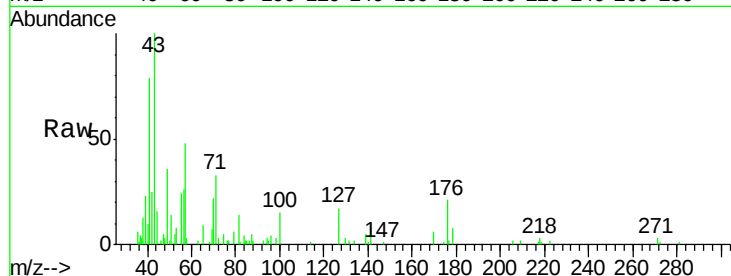
#10
 Heptane
 Concen: 0.145 ppbv m
 RT: 8.13 min Scan# 1661
 Delta R.T. 0.03 min
 Lab File: VL037500.D
 Acq: 19 Aug 2021 15:56

Instrument :
 MSVOA_L
 ClientSampleId :
 SR-SG-1DUP

Tot Ion: 43 Resp: 31942
 Ion Ratio Lower Upper
 43 100
 57 0.0 41.0 61.6#

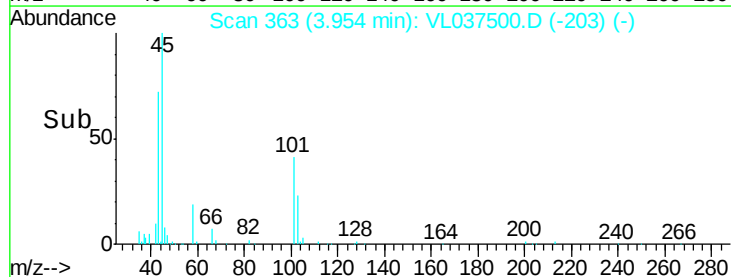
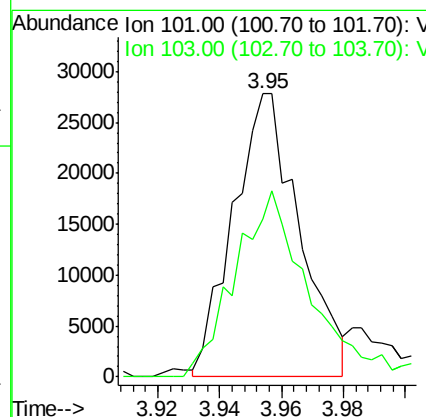
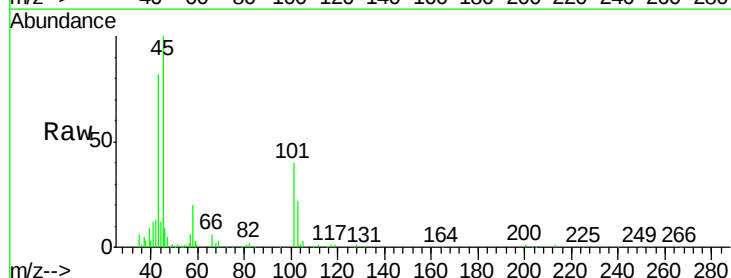
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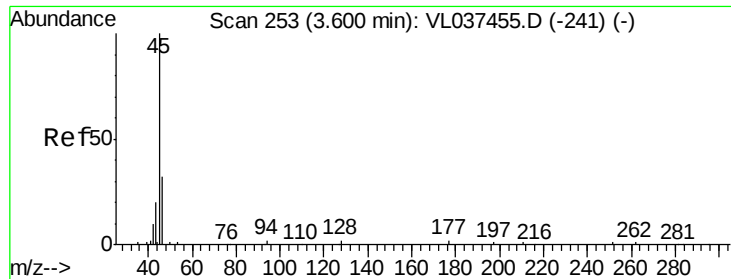
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#11
 Trichlorofluoromethane
 Concen: 0.196 ppbv
 RT: 3.95 min Scan# 363
 Delta R.T. 0.02 min
 Lab File: VL037500.D
 Acq: 19 Aug 2021 15:56

Tgt Ion: 101 Resp: 41352
 Ion Ratio Lower Upper
 101 100
 103 52.3 51.8 77.6





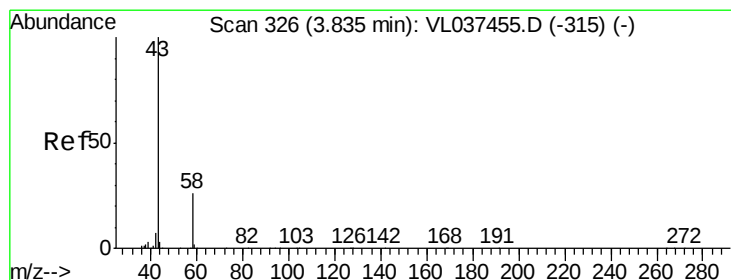
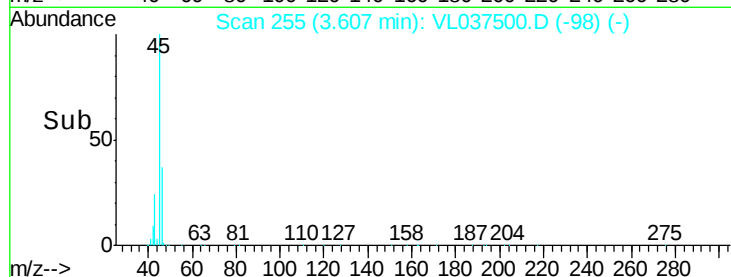
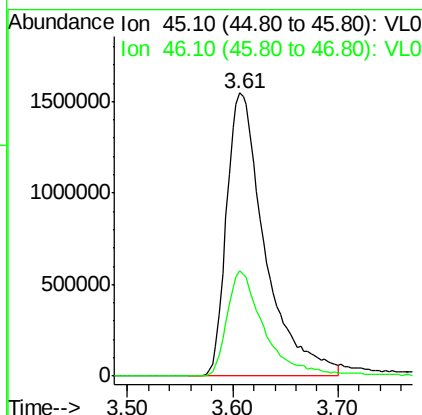
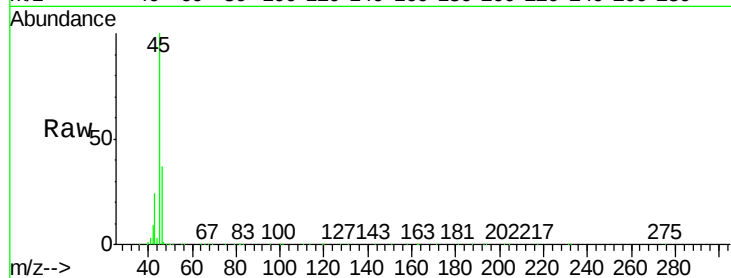
#13
Ethanol
Concen: 419.791 ppbv
RT: 3.61 min Scan# 255
Delta R.T. 0.01 min
Lab File: VL037500.D
Acq: 19 Aug 2021 15:56

Instrument :
MSVOA_L
ClientSampleId :
SR-SG-1DUP

Tot Ion: 45 Resp: 3914518
Ion Ratio Lower Upper
45 100
46 36.9 14.1 56.5

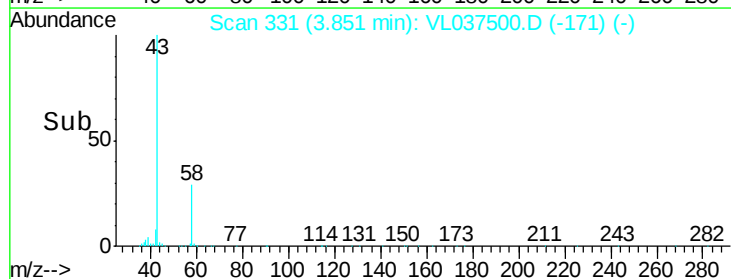
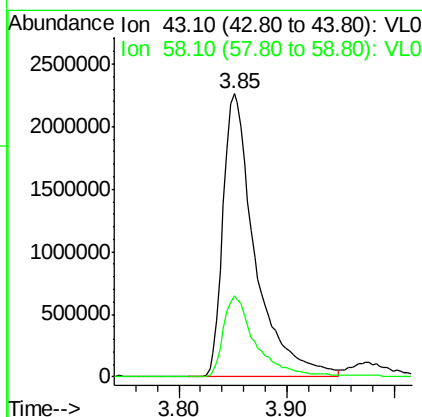
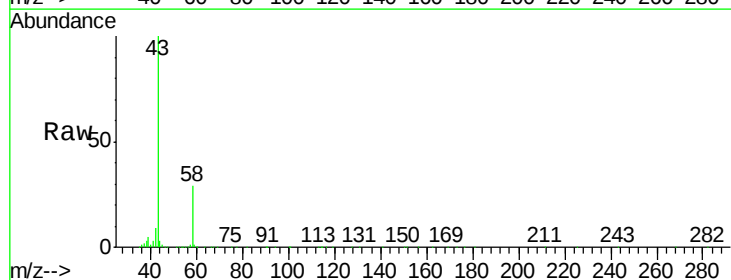
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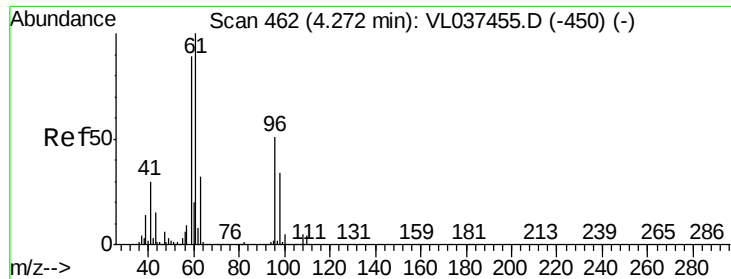
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#15
Acetone
Concen: 32.811 ppbv
RT: 3.85 min Scan# 331
Delta R.T. 0.02 min
Lab File: VL037500.D
Acq: 19 Aug 2021 15:56

Tgt Ion: 43 Resp: 4670454
Ion Ratio Lower Upper
43 100
58 30.0 24.8 37.2





#17

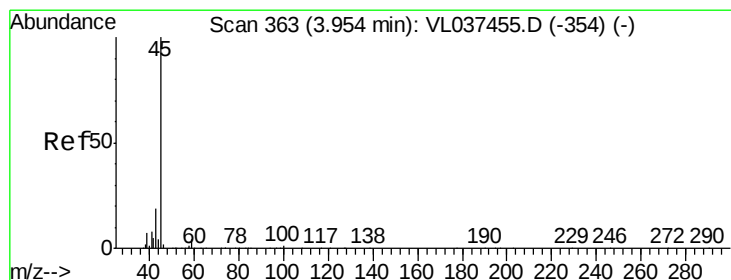
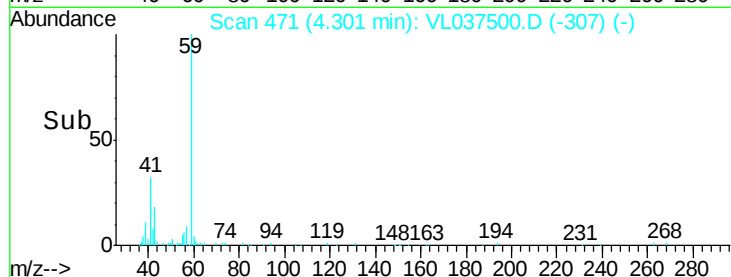
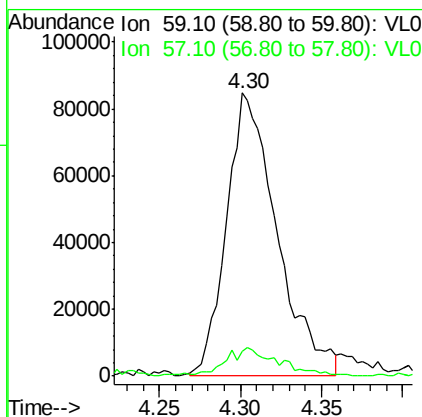
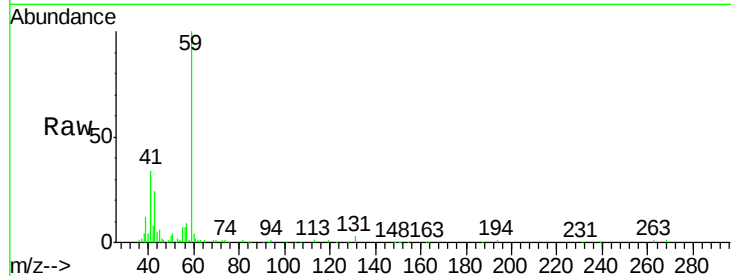
tert-Butyl alcohol
 Concen: 1.420 ppbv
 RT: 4.30 min Scan# 471
 Delta R.T. 0.03 min
 Lab File: VL037500.D
 Acq: 19 Aug 2021 15:56

Instrument :
 MSVOA_L
 ClientSampleId :
 SR-SG-1DUP

Tot Ion	Ratio	Lower	Upper
59	100		
57	11.0	8.3	12.5

Manual Integrations
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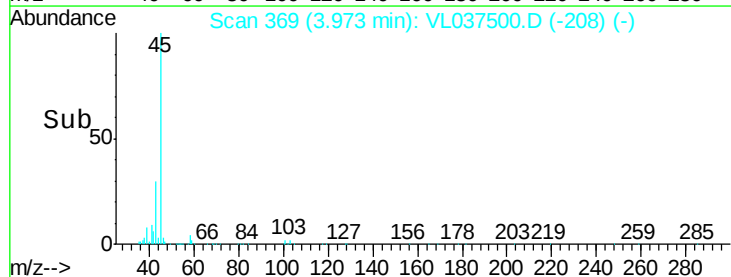
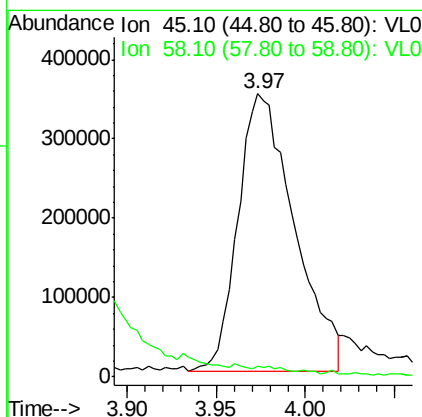
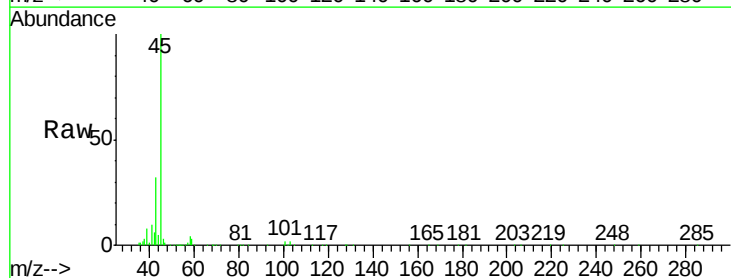
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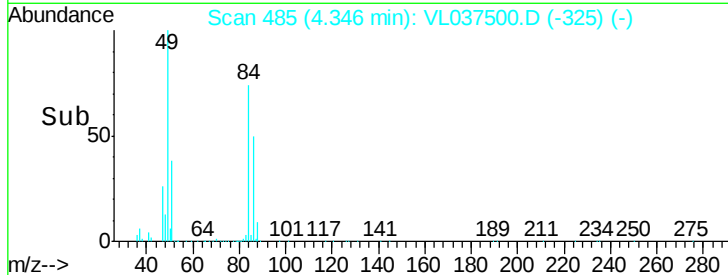
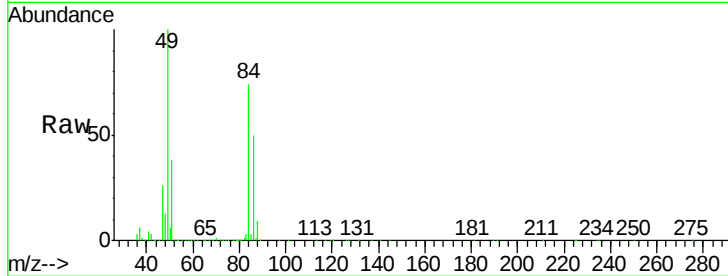
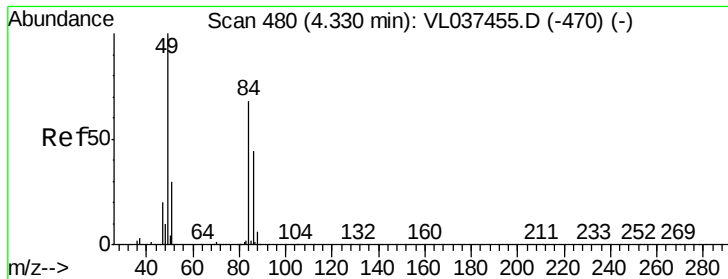


#19

Isopropyl Alcohol
 Concen: 9.434 ppbv
 RT: 3.97 min Scan# 369
 Delta R.T. 0.02 min
 Lab File: VL037500.D
 Acq: 19 Aug 2021 15:56

Tgt Ion	Ratio	Lower	Upper
45	100		
58	182.1	1.4	2.2#





#20
Methvlene Chloride
Concen: 123.393 ppbv
RT: 4.35 min Scan# 485
Delta R.T. 0.02 min
Lab File: VL037500.D
Acq: 19 Aug 2021 15:56

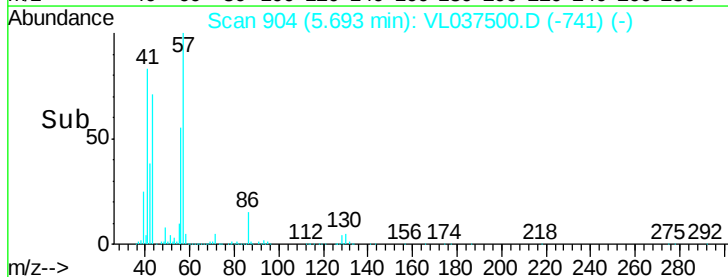
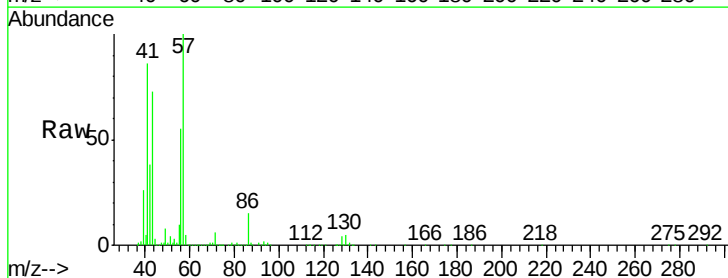
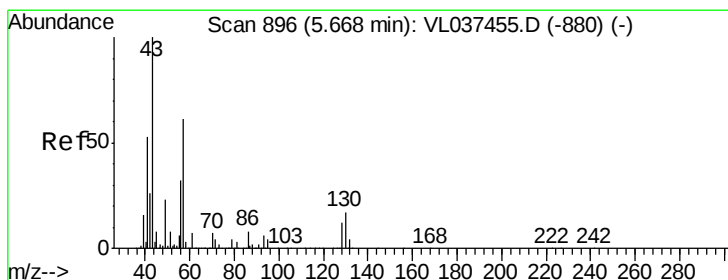
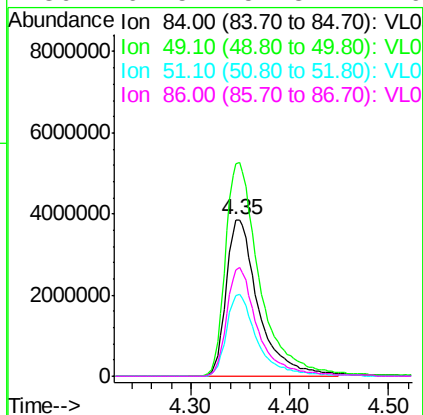
Tot Ion: 84 Resp: 8794076

Ion	Ratio	Lower	Upper
84	100		
49	135.8	118.2	177.2
51	51.1	36.6	55.0
86	67.5	51.8	77.6

Instrument :
MSVOA_L
ClientSampleId :
SR-SG-1DUP

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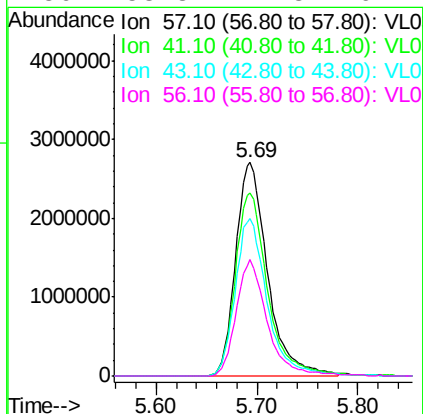
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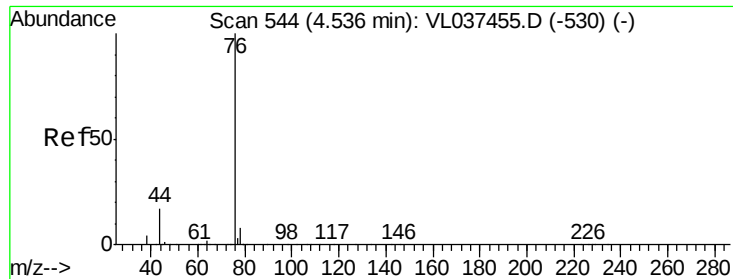


#26
Hexane
Concen: 33.645 ppbv
RT: 5.69 min Scan# 904
Delta R.T. 0.03 min
Lab File: VL037500.D
Acq: 19 Aug 2021 15:56

Tgt Ion: 57 Resp: 5944331

Ion	Ratio	Lower	Upper
57	100		
41	87.4	72.3	108.5
43	74.3	172.3	258.5#
56	53.3	42.8	64.2





#27

Carbon Disulfide

Concen: 0.261 ppbv

RT: 4.56 min Scan# 550

Delta R.T. 0.02 min

Lab File: VL037500.D

Acq: 19 Aug 2021 15:56

Instrument :

MSVOA_L

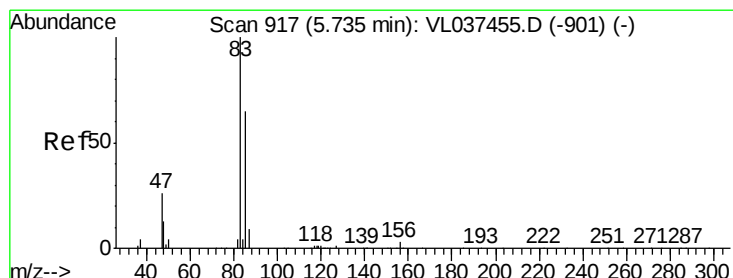
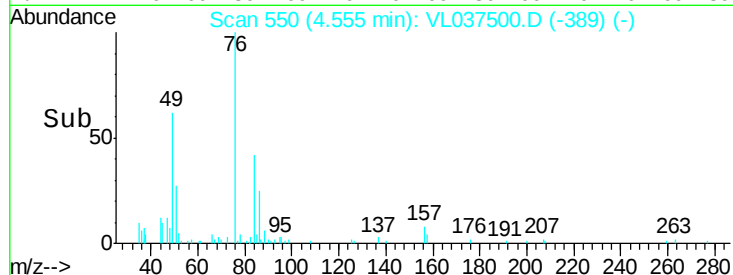
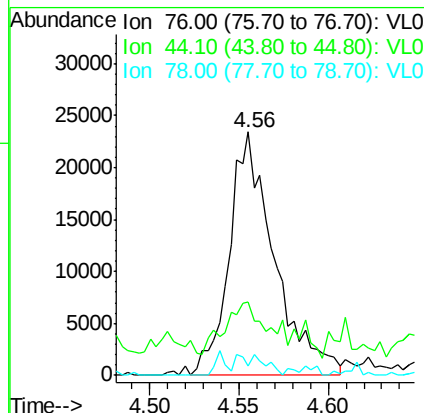
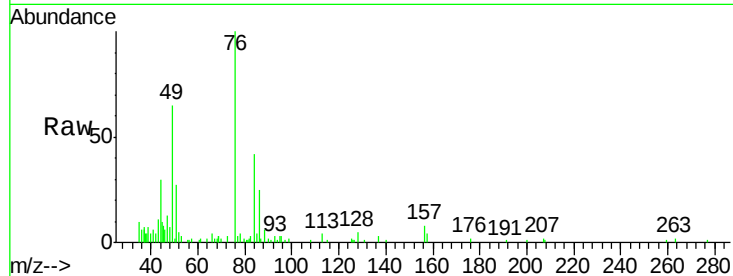
ClientSampleId :

SR-SG-1DUP

Tot Ion:	76	Resp:	41054
Ion	Ratio	Lower	Upper
76	100		
44	46.0	13.9	20.9#
78	7.3	7.9	11.9#

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#29

Chloroform

Concen: 0.538 ppbv m

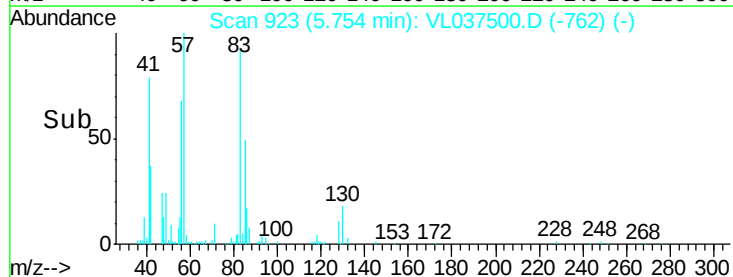
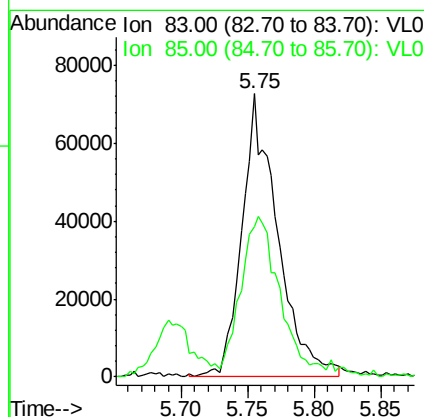
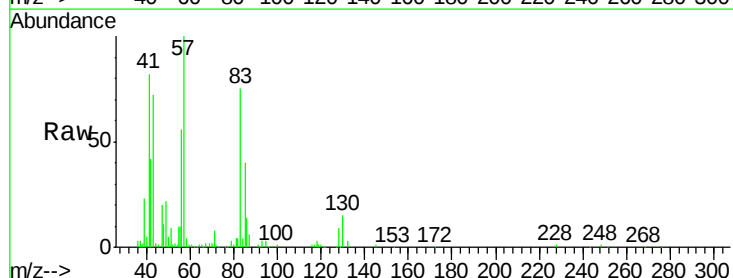
RT: 5.75 min Scan# 923

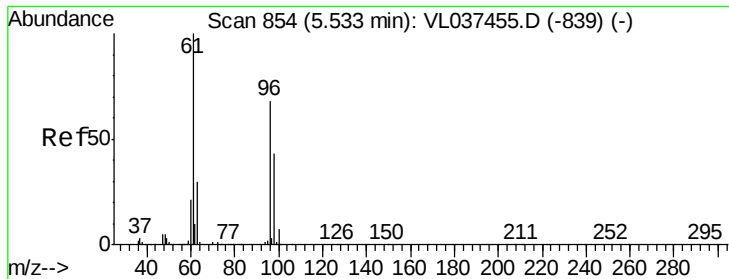
Delta R.T. 0.02 min

Lab File: VL037500.D

Acq: 19 Aug 2021 15:56

Tgt Ion:	83	Resp:	134770
Ion	Ratio	Lower	Upper
83	100		
85	52.9	52.3	78.5





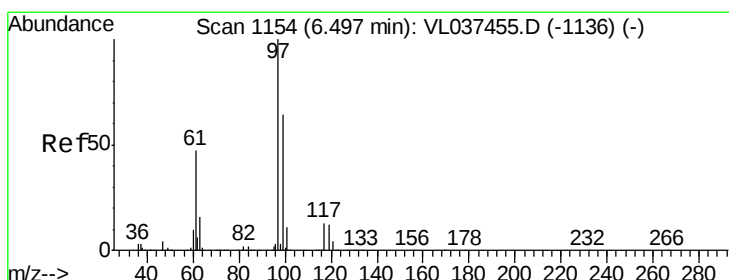
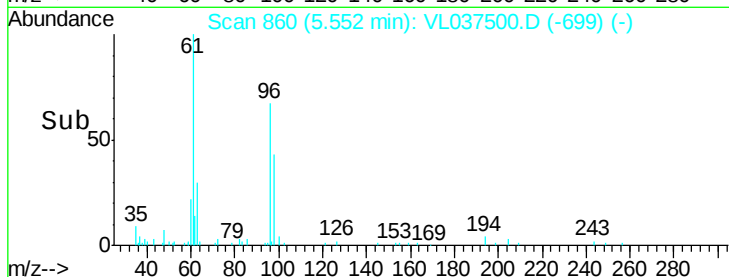
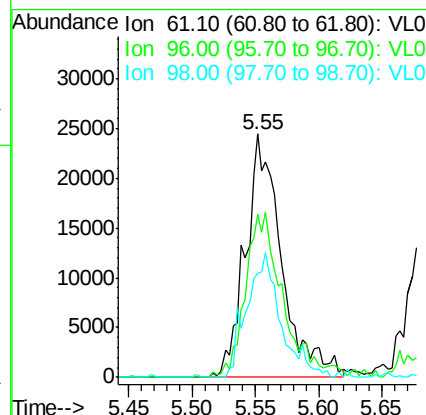
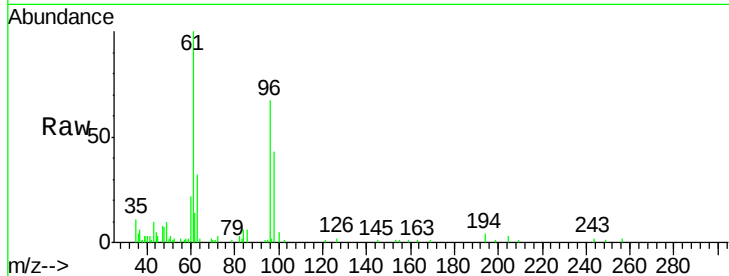
#31
 cis-1,2-Dichloroethene
 Concen: 0.303 ppbv m
 RT: 5.55 min Scan# 860
 Delta R.T. 0.02 min
 Lab File: VL037500.D
 Acq: 19 Aug 2021 15:56

Instrument :
 MSVOA_L
 ClientSampleId :
 SR-SG-1DUP

Tot Ion:	61	Resp:	48440
Ion	Ratio	Lower	Upper
61	100		
96	67.0	54.8	82.2
98	42.6	34.2	51.2

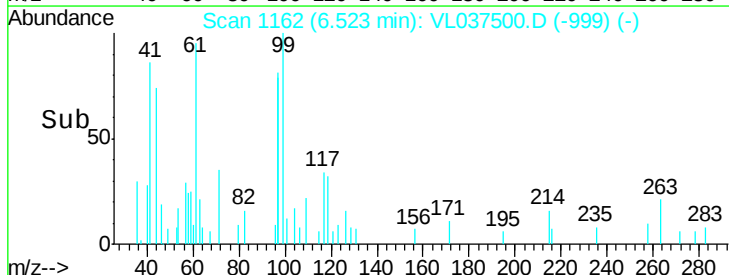
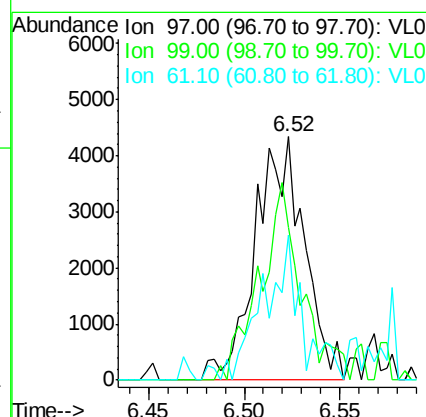
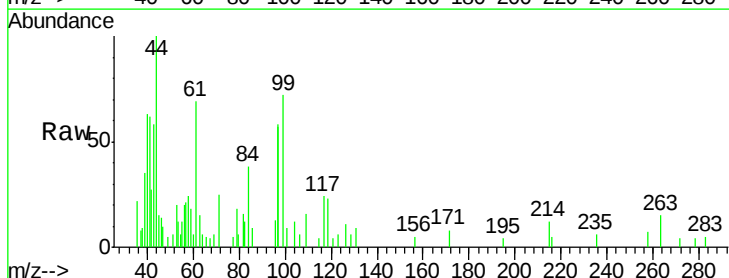
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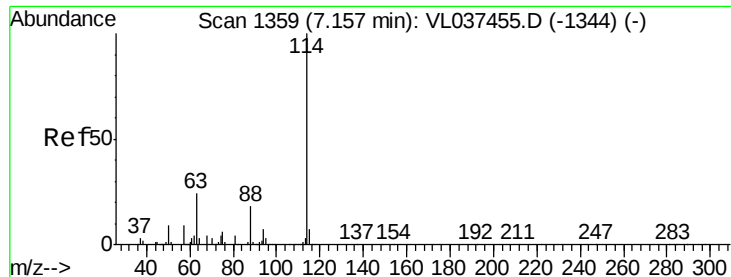
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#32
 1,1,1-Trichloroethane
 Concen: 0.031 ppbv m
 RT: 6.52 min Scan# 1162
 Delta R.T. 0.03 min
 Lab File: VL037500.D
 Acq: 19 Aug 2021 15:56

Tgt Ion:	97	Resp:	7659
Ion	Ratio	Lower	Upper
97	100		
99	75.9	51.8	77.6
61	49.6	39.6	59.4





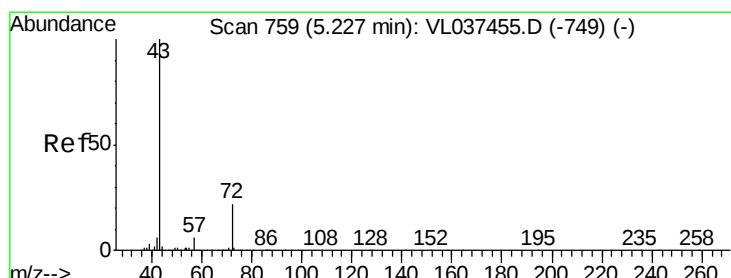
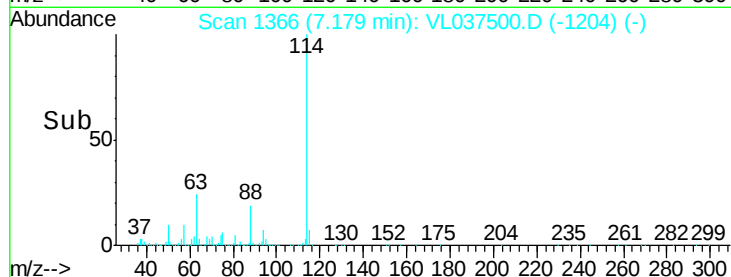
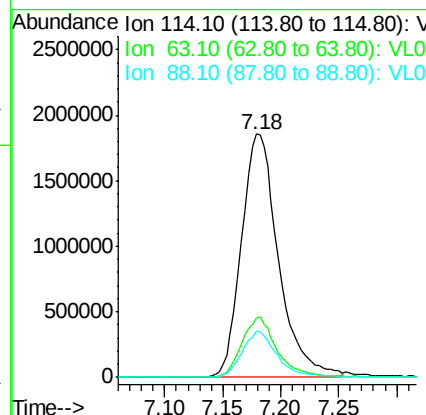
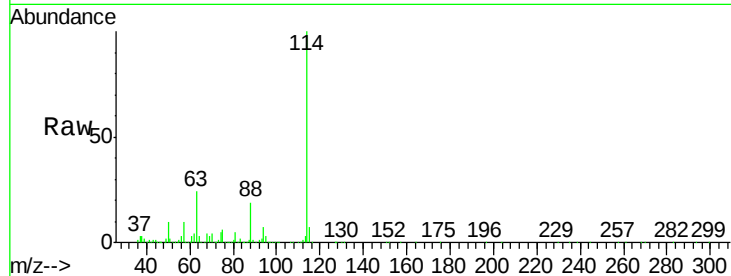
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.18 min Scan# 1366
 Delta R.T. 0.02 min
 Lab File: VL037500.D
 Acq: 19 Aug 2021 15:56

Instrument :
 MSVOA_L
 ClientSampleId :
 SR-SG-1DUP

Tot Ion	Ratio	Lower	Upper
114	100		
63	24.0	19.3	28.9
88	18.0	14.2	21.4

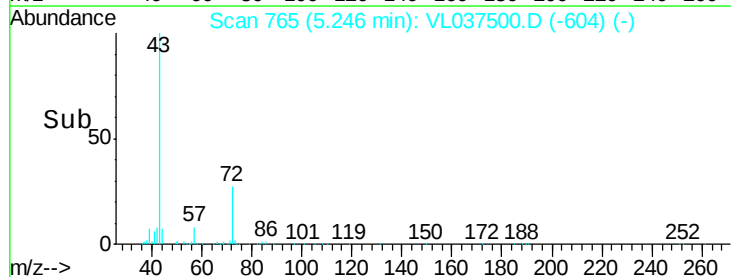
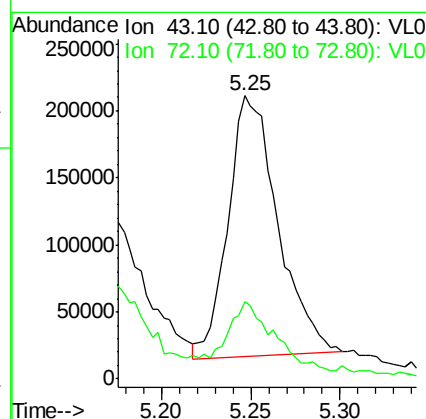
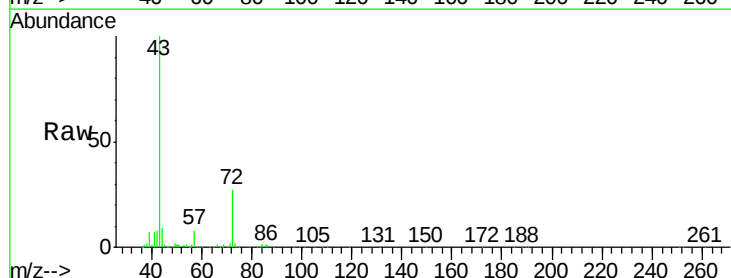
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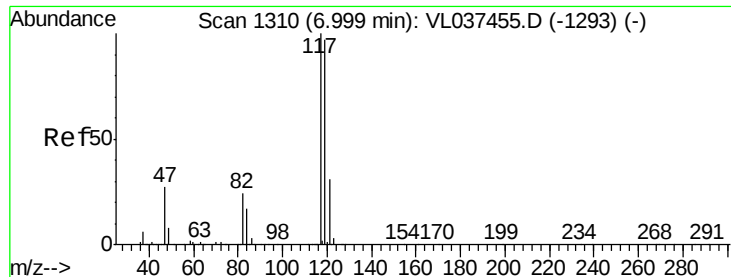
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#34
 2-Butanone
 Concen: 2.250 ppbv
 RT: 5.25 min Scan# 765
 Delta R.T. 0.02 min
 Lab File: VL037500.D
 Acq: 19 Aug 2021 15:56

Tgt Ion	Ratio	Lower	Upper
43	100		
72	36.6	17.4	26.0





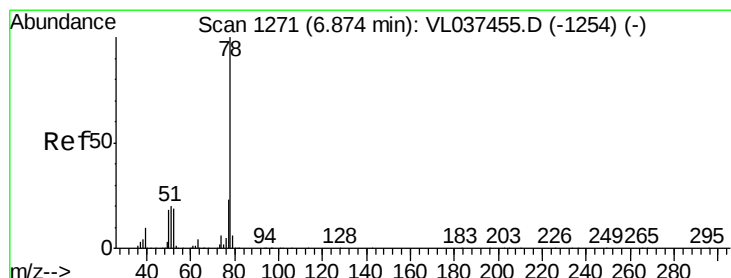
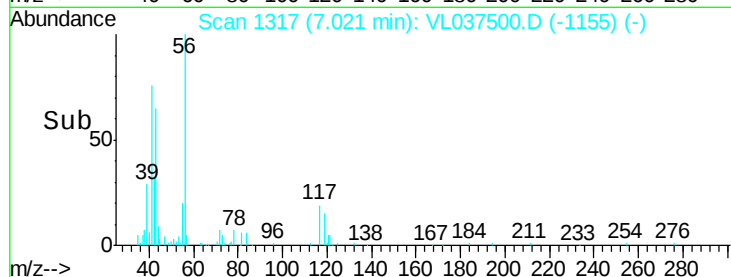
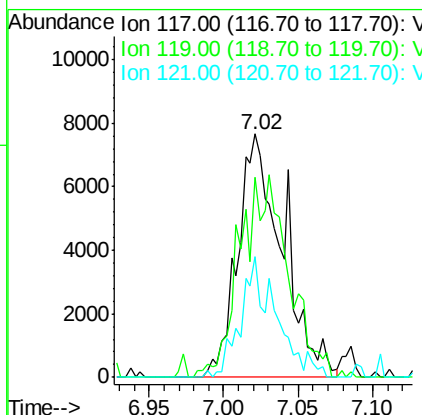
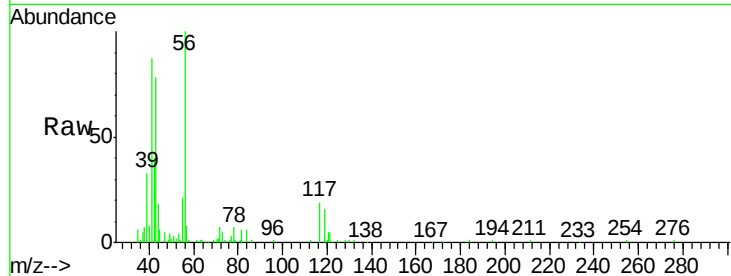
#35
Carbon Tetrachloride
Concen: 0.067 ppbv m
RT: 7.02 min Scan# 1317
Delta R.T. 0.02 min
Lab File: VL037500.D
Acq: 19 Aug 2021 15:56

Instrument :
MSVOA_L
ClientSampleId :
SR-SG-1DUP

Tot Ion	Ratio	Lower	Upper
117	100		
119	82.0	77.3	115.9
121	25.8	25.2	37.8

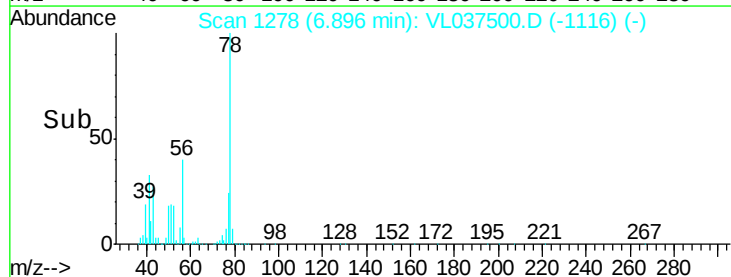
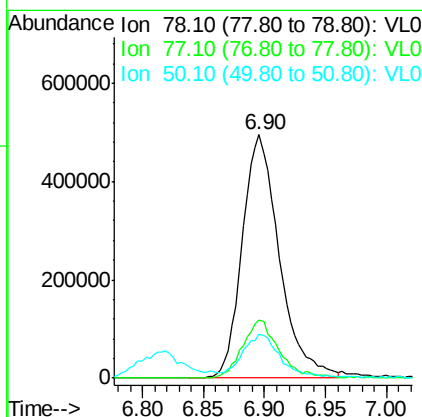
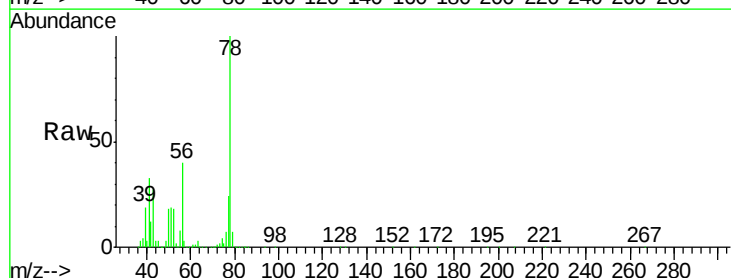
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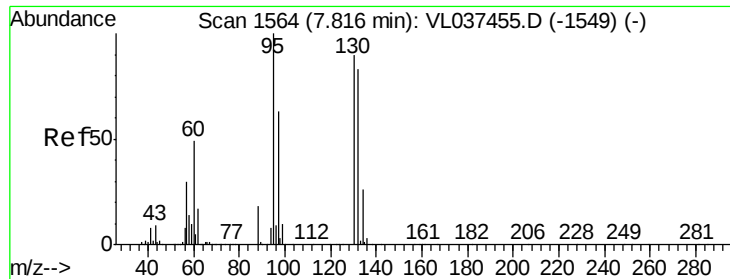
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#36
Benzene
Concen: 2.996 ppbv
RT: 6.90 min Scan# 1278
Delta R.T. 0.02 min
Lab File: VL037500.D
Acq: 19 Aug 2021 15:56

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.9	18.2	27.4
50	17.4	14.6	21.8





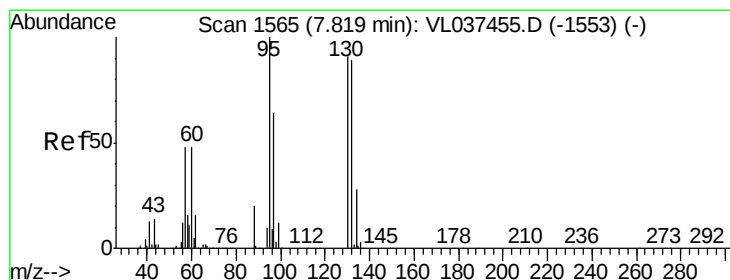
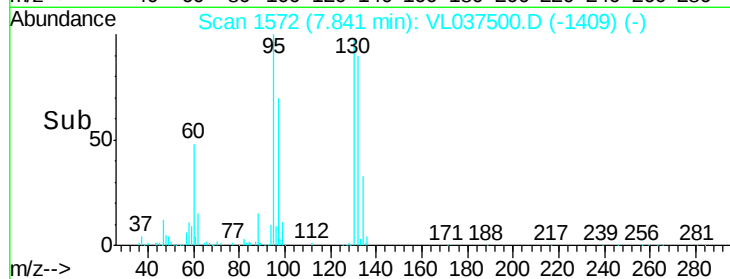
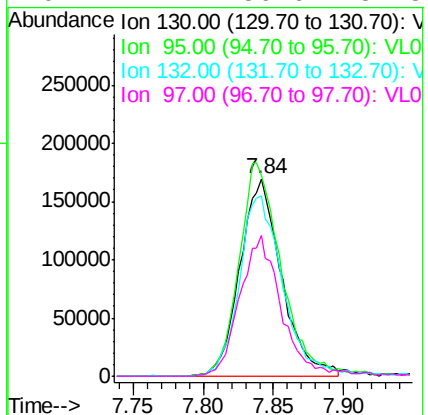
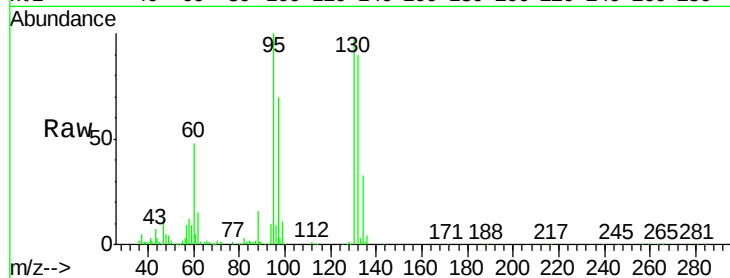
#38
 Trichloroethene
 Concen: 2.456 ppbv
 RT: 7.84 min Scan# 1572
 Delta R.T. 0.03 min
 Lab File: VL037500.D
 Acq: 19 Aug 2021 15:56

Instrument :
 MSVOA_L
 ClientSampleId :
 SR-SG-1DUP

Tot Ion	Ratio	Resp	Lower	Upper
130	100	349394		
95	101.9	89.2	133.8	
132	91.4	74.0	111.0	
97	71.4	56.6	84.8	

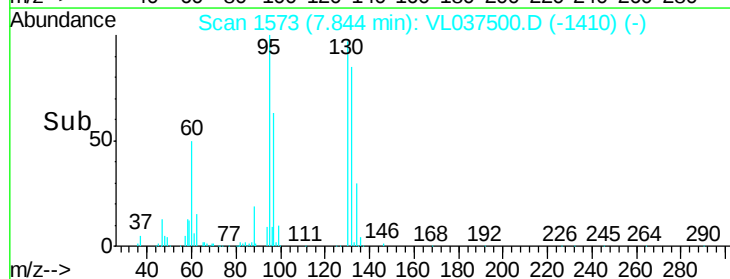
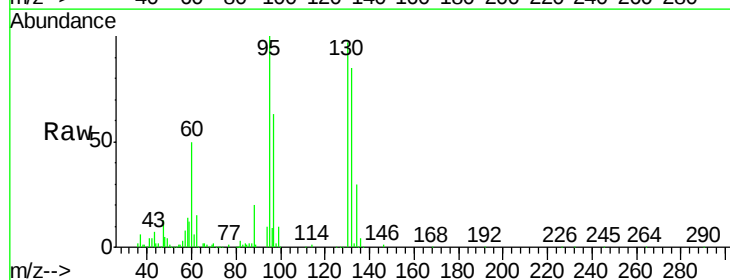
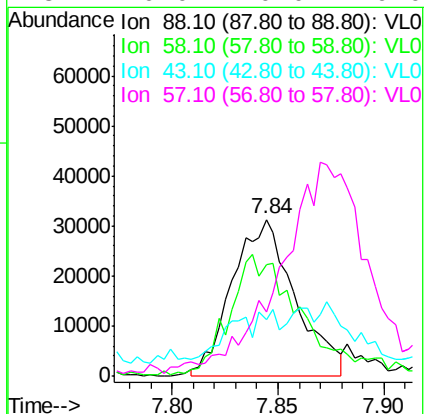
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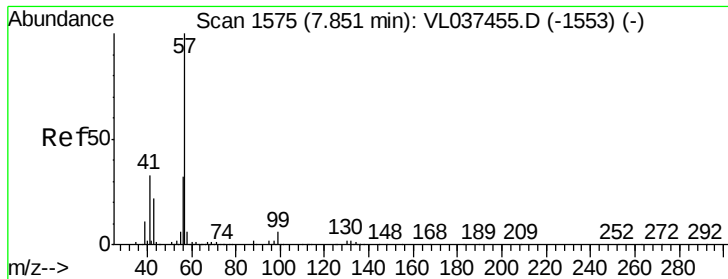
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#40
 1,4-Dioxane
 Concen: 1.981 ppbv m
 RT: 7.84 min Scan# 1573
 Delta R.T. 0.03 min
 Lab File: VL037500.D
 Acq: 19 Aug 2021 15:56

Tgt Ion	Ratio	Resp	Lower	Upper
88	100	64667		
58	0.0	0.0	0.0	
43	0.0	0.0	0.0	
57	0.0	0.0	0.0	





#44

2,2,4-Trimethylpentane

Concen: 0.203 ppbv m

RT: 7.87 min Scan# 1581

Delta R.T. 0.02 min

Lab File: VL037500.D

Acq: 19 Aug 2021 15:56

Instrument :

MSVOA_L

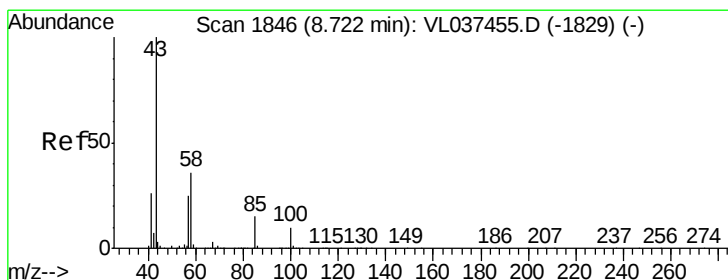
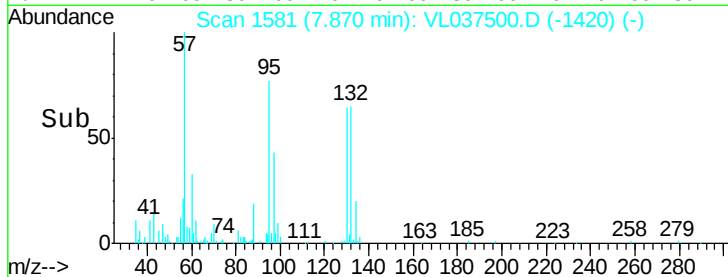
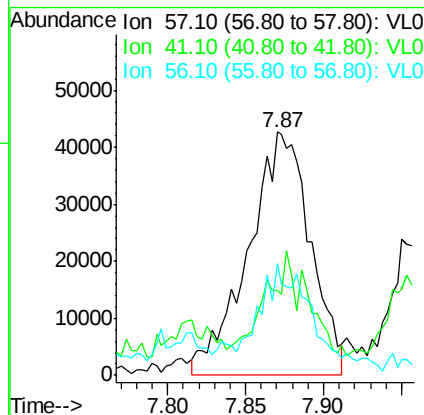
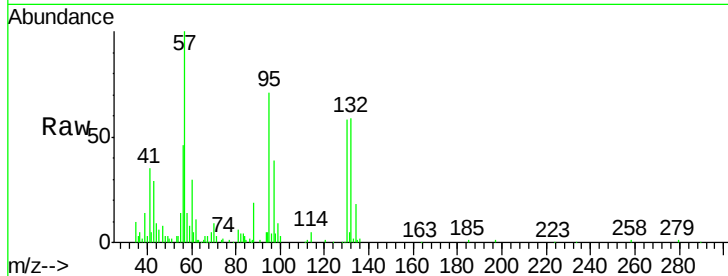
ClientSampleId :

SR-SG-1DUP

Tot Ion	57	Resp	118304
Ion Ratio	Lower	Upper	
57	100		
41	32.1	26.2	39.4
56	34.6	25.4	38.2

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#50

4-Methyl-2-Pentanone

Concen: 0.272 ppbv

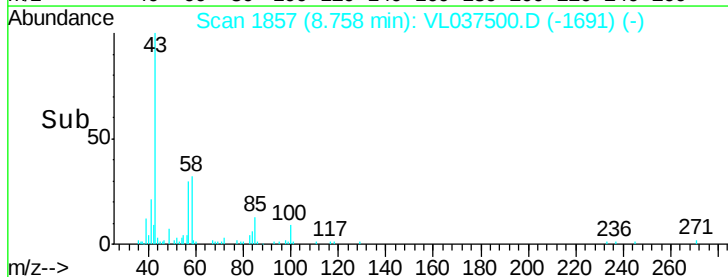
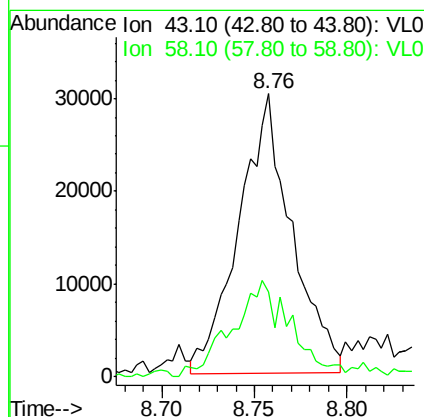
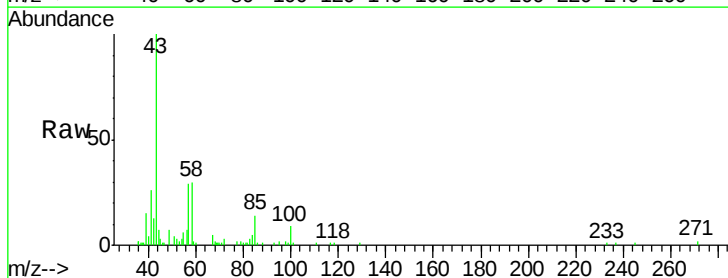
RT: 8.76 min Scan# 1857

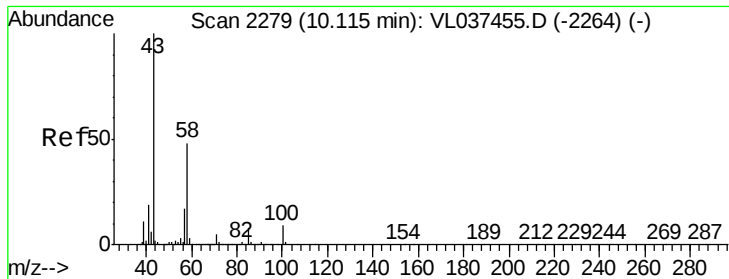
Delta R.T. 0.04 min

Lab File: VL037500.D

Acq: 19 Aug 2021 15:56

Tgt Ion	43	Resp	59743
Ion Ratio	Lower	Upper	
43	100		
58	38.6	29.9	44.9





#51

2-Hexanone

Concen: 0.574 ppbv m

RT: 10.13 min Scan# 2285

Delta R.T. 0.02 min

Lab File: VL037500.D

Acq: 19 Aug 2021 15:56

Instrument :

MSVOA_L

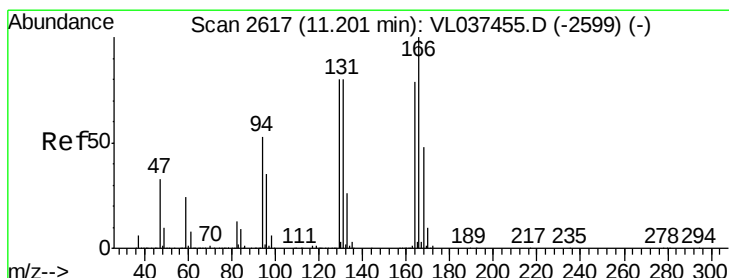
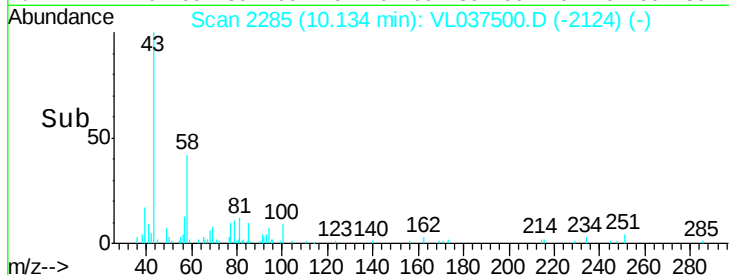
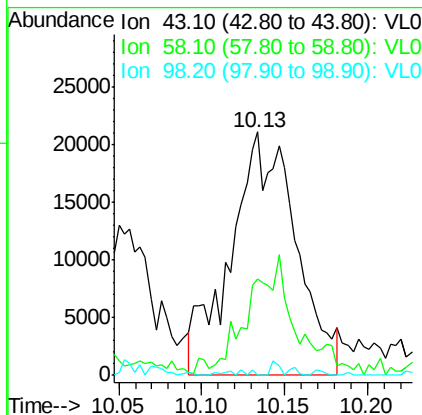
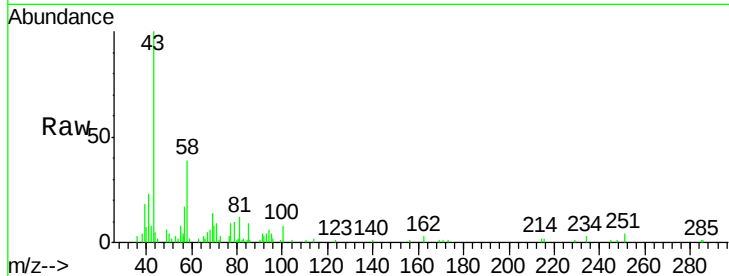
ClientSampleId :

SR-SG-1DUP

Tot Ion:	43	Resp:	58015
Ion Ratio	Lower	Upper	
43	100		
58	38.5	41.0	61.6#
98	1.5	0.3	0.5#

Manual Integrations
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#52

Tetrachloroethene

Concen: 0.287 ppbv m

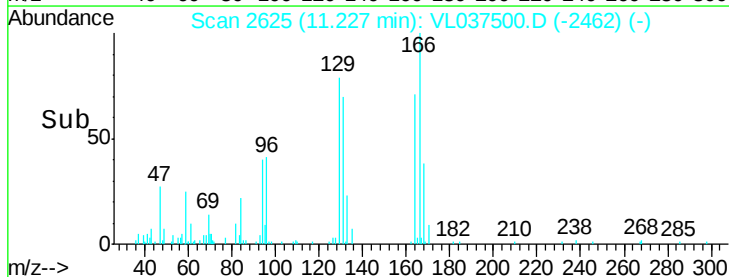
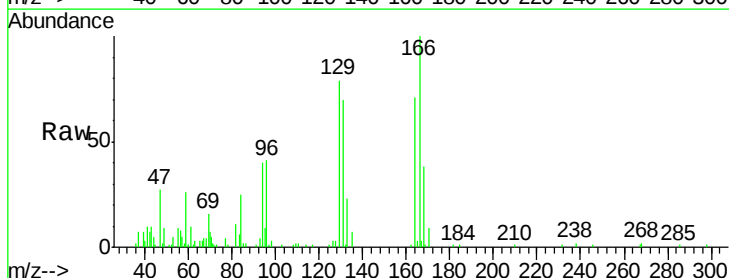
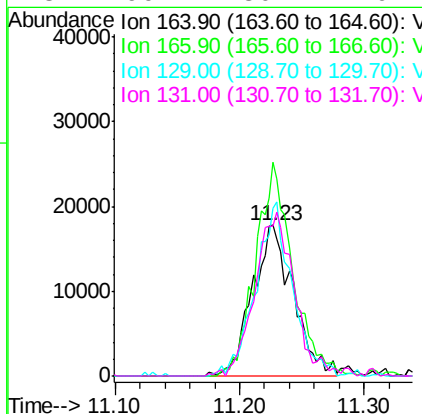
RT: 11.23 min Scan# 2625

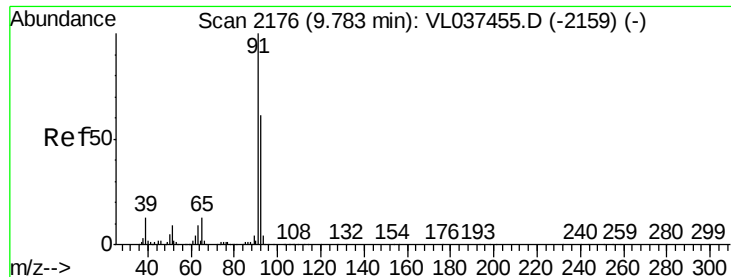
Delta R.T. 0.03 min

Lab File: VL037500.D

Acq: 19 Aug 2021 15:56

Tgt Ion:	164	Resp:	40813
Ion Ratio	Lower	Upper	
164	100		
166	141.7	100.7	151.1
129	111.2	80.9	121.3
131	99.7	80.2	120.4





#53

Toluene

Concen: 1.006 ppbv

RT: 9.81 min Scan# 2184

Delta R.T. 0.03 min

Lab File: VL037500.D

Acq: 19 Aug 2021 15:56

Instrument :

MSVOA_L

ClientSampleId :

SR-SG-1DUP

Tot Ion: 91 Resp: 398076

Ion Ratio Lower Upper

91 100

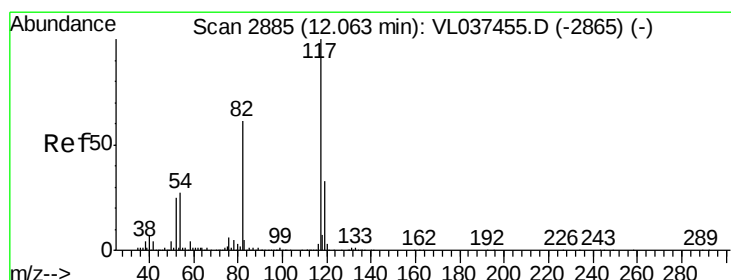
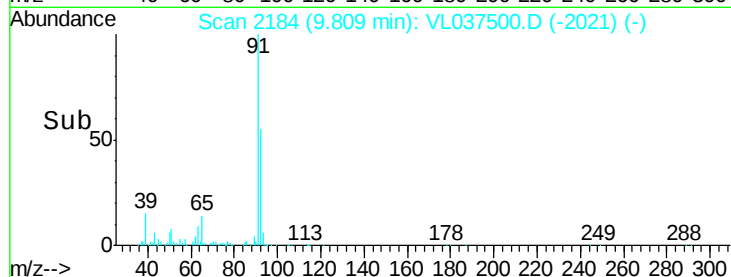
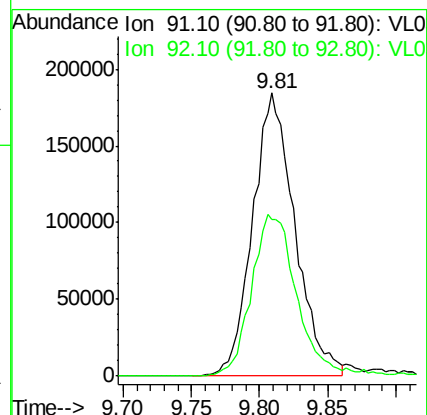
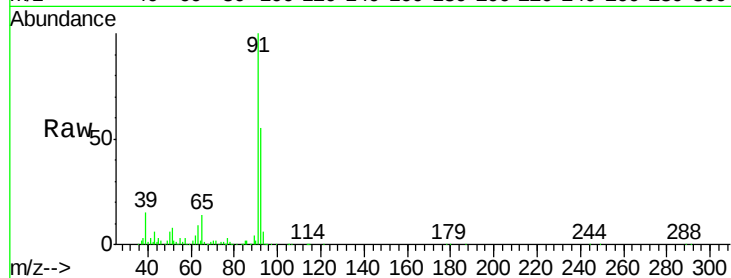
92 61.5 48.8 73.2

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#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.09 min Scan# 2892

Delta R.T. 0.02 min

Lab File: VL037500.D

Acq: 19 Aug 2021 15:56

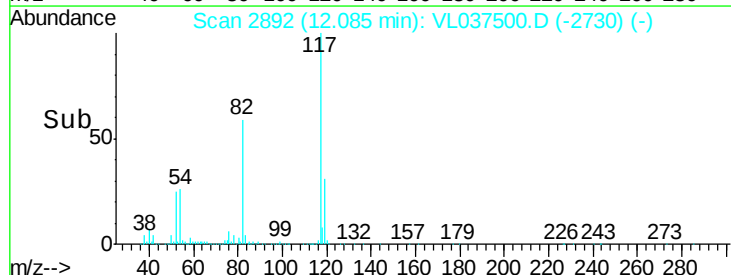
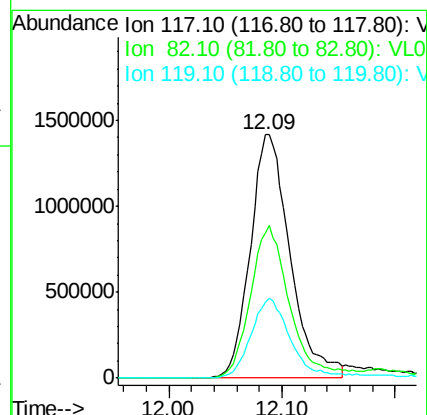
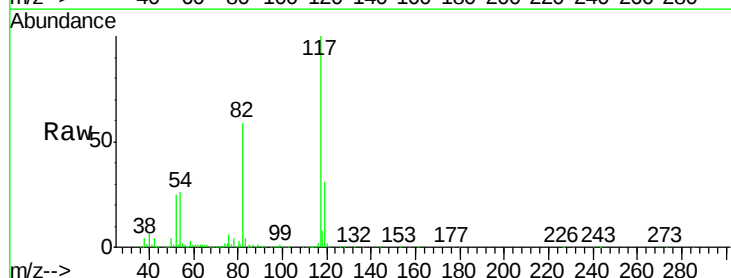
Tgt Ion: 117 Resp: 3467560

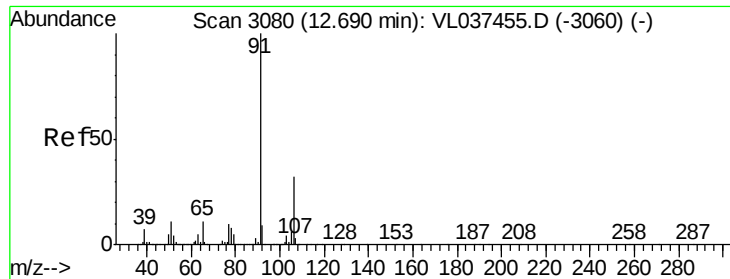
Ion Ratio Lower Upper

117 100

82 62.2 52.9 79.3

119 34.2 24.8 37.2





#58

Ethyl Benzene

Concen: 0.098 ppbv m

RT: 12.71 min Scan# 3086

Delta R.T. 0.02 min

Lab File: VL037500.D

Acq: 19 Aug 2021 15:56

Instrument :

MSVOA_L

ClientSampleId :

SR-SG-1DUP

Tot Ion: 91 Resp: 47141

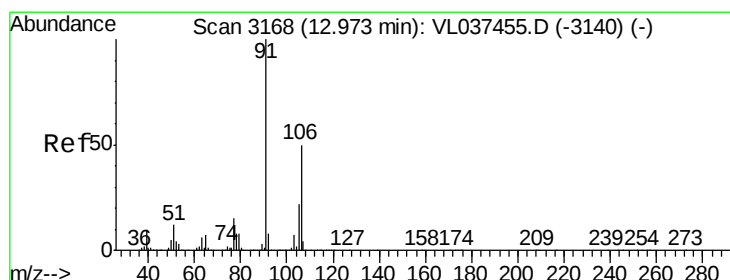
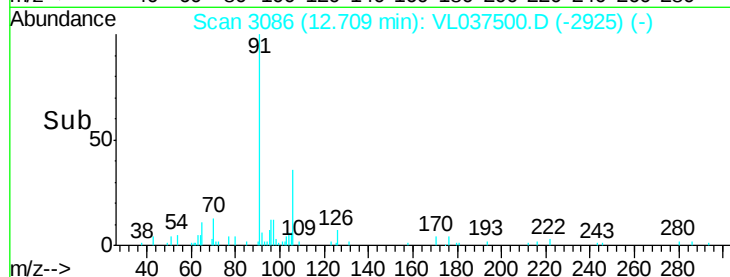
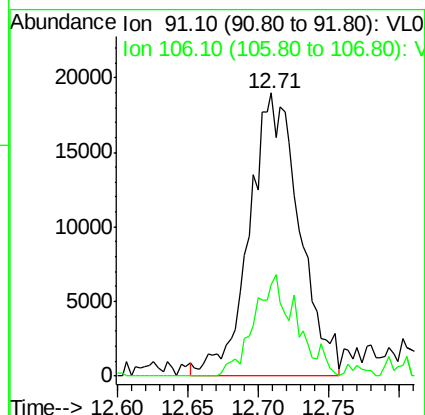
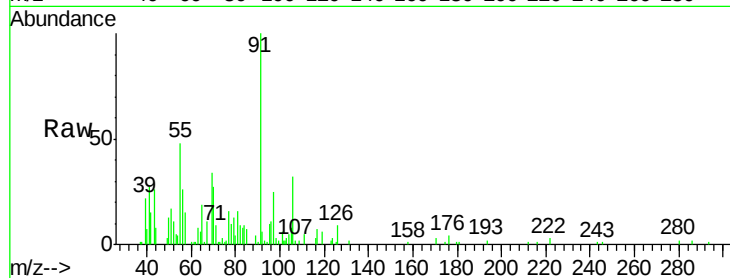
Ion Ratio Lower Upper

91 100

106 32.1 25.7 38.5

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#59

m/p-Xylene

Concen: 0.270 ppbv m

RT: 12.98 min Scan# 3169

Delta R.T. 0.00 min

Lab File: VL037500.D

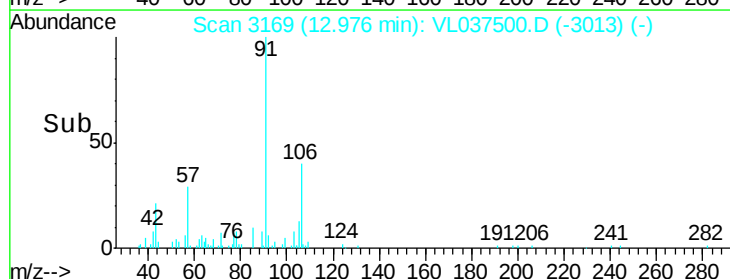
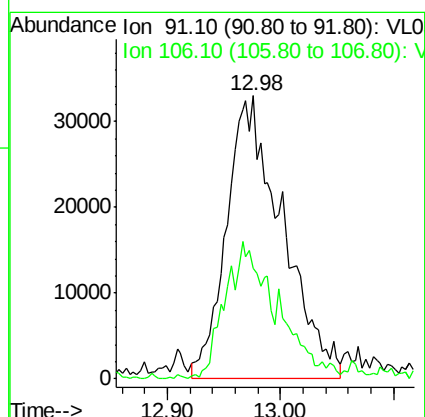
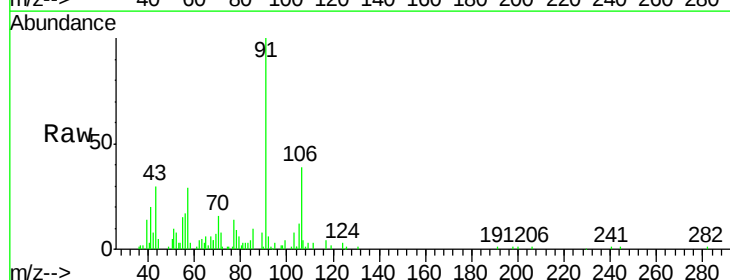
Acq: 19 Aug 2021 15:56

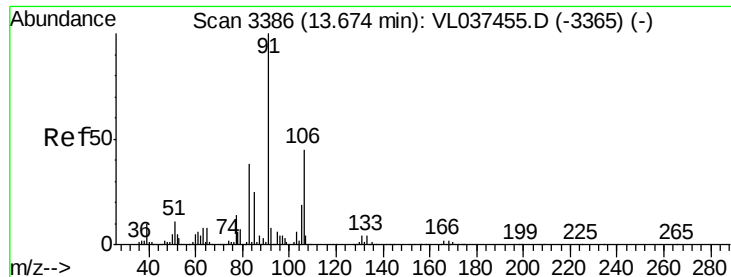
Tgt Ion: 91 Resp: 112821

Ion Ratio Lower Upper

91 100

106 0.0 36.9 55.3#





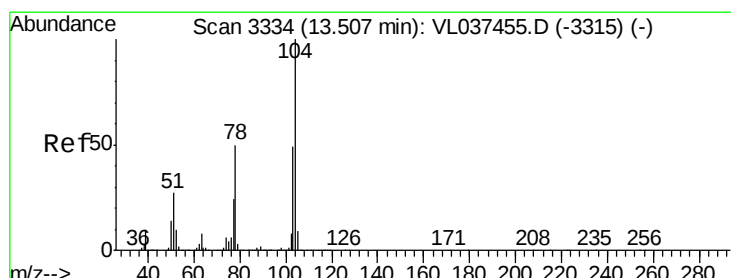
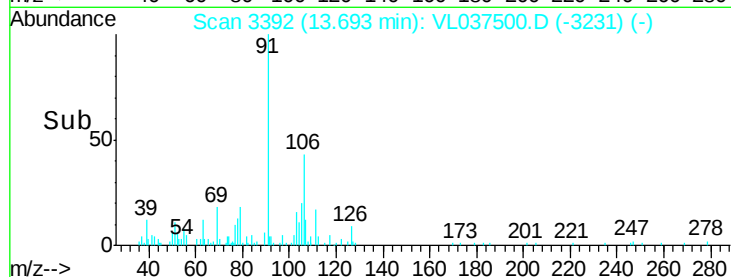
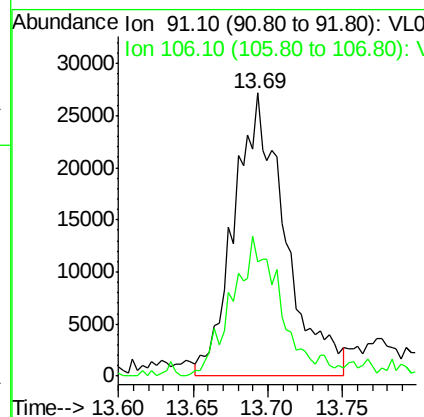
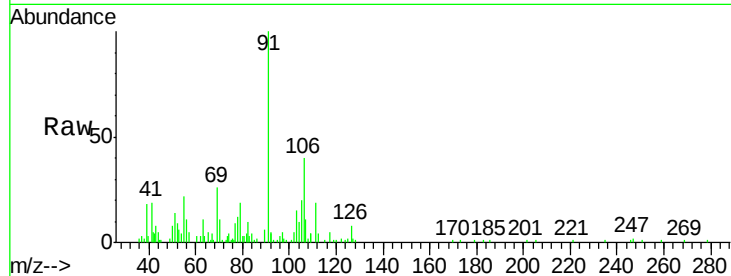
#60
o-Xylene
Concen: 0.166 ppbv m
RT: 13.69 min Scan# 3392
Delta R.T. 0.02 min
Lab File: VL037500.D
Acq: 19 Aug 2021 15:56

Instrument :
MSVOA_L
ClientSampleId :
SR-SG-1DUP

Tot Ion: 91 Resp: 64523
Ion Ratio Lower Upper
91 100
106 0.0 23.7 71.1#

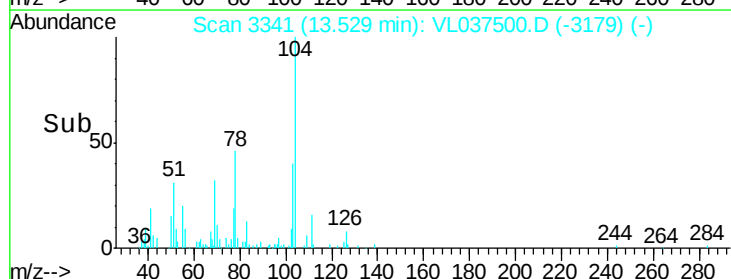
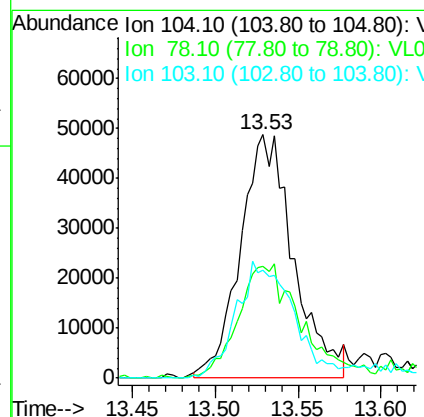
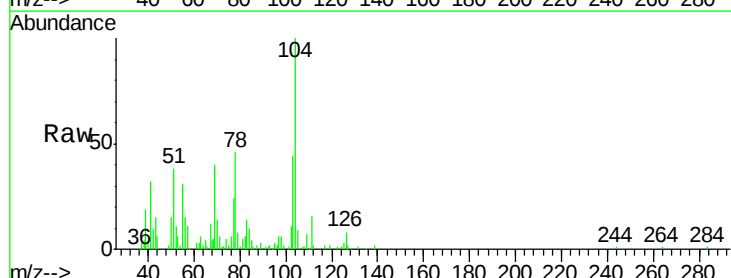
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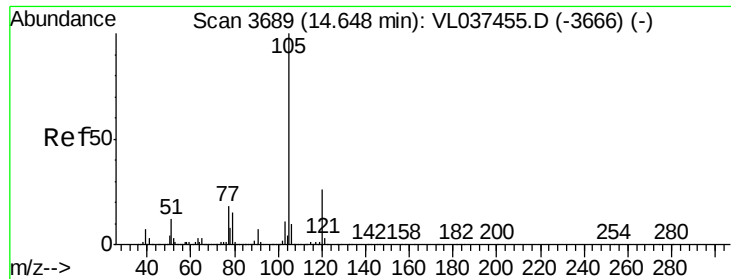
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#61
Styrene
Concen: 0.539 ppbv m
RT: 13.53 min Scan# 3341
Delta R.T. 0.02 min
Lab File: VL037500.D
Acq: 19 Aug 2021 15:56

Tgt Ion: 104 Resp: 109064
Ion Ratio Lower Upper
104 100
78 59.3 41.3 61.9
103 0.0 39.4 59.0#





#62

Isopropylbenzene

Concen: 1.520 ppbv m

RT: 14.66 min Scan# 3694

Delta R.T. 0.02 min

Lab File: VL037500.D

Acq: 19 Aug 2021 15:56

Instrument :

MSVOA_L

ClientSampleId :

SR-SG-1DUP

Tot Ion:105 Resp: 835035

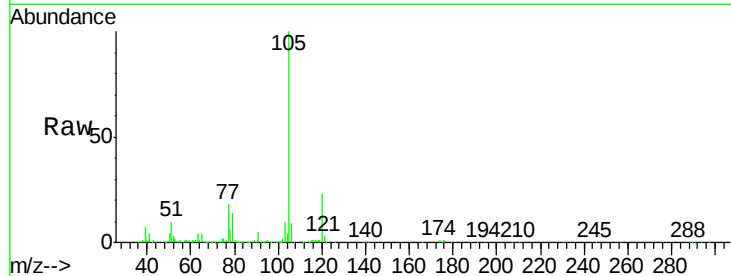
Ion Ratio Lower Upper

105 100

120 28.4 21.5 32.3

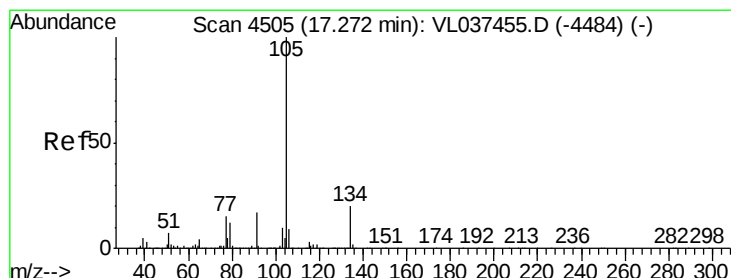
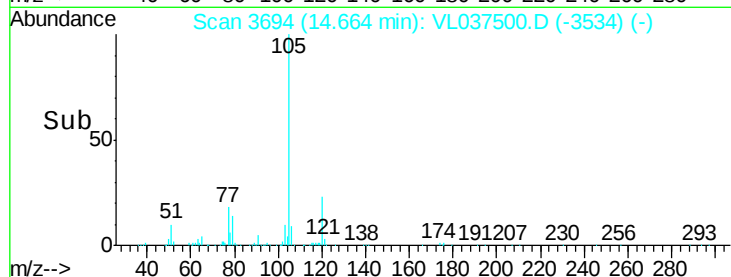
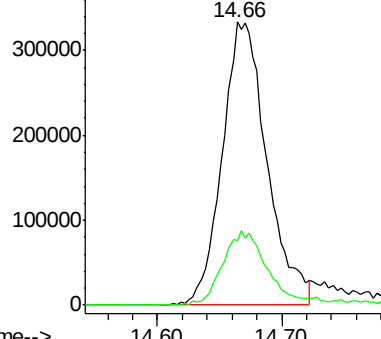
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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



#67

sec-Butylbenzene

Concen: 0.103 ppbv m

RT: 17.30 min Scan# 4515

Delta R.T. 0.03 min

Lab File: VL037500.D

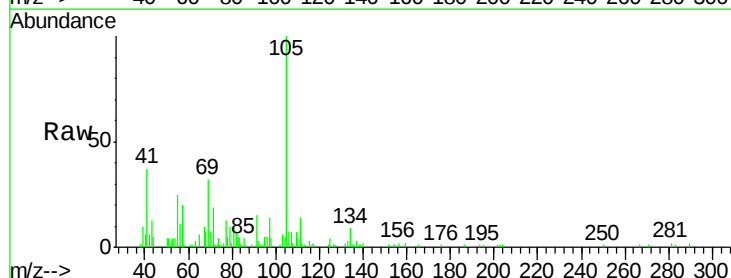
Acq: 19 Aug 2021 15:56

Tgt Ion:105 Resp: 72265

Ion Ratio Lower Upper

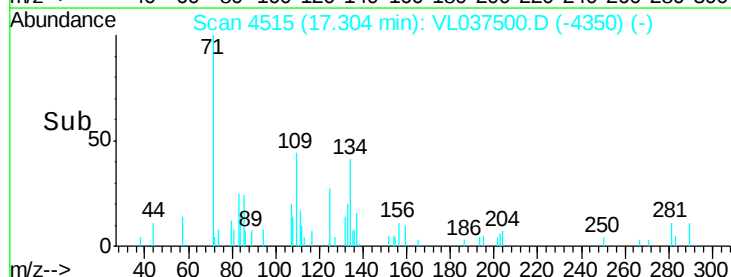
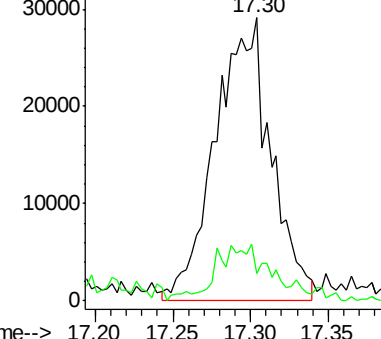
105 100

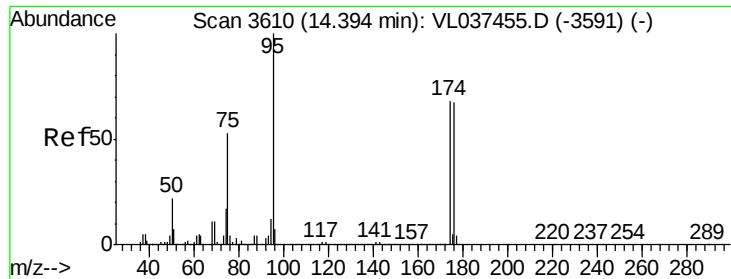
134 21.4 15.2 22.8



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V





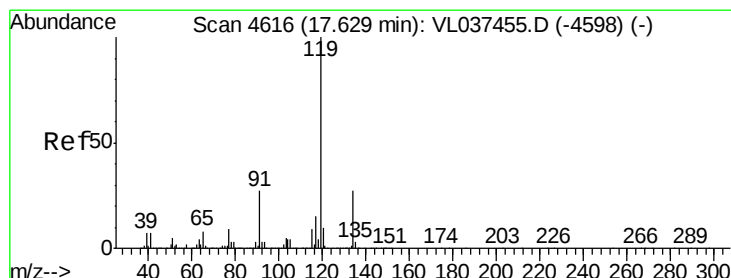
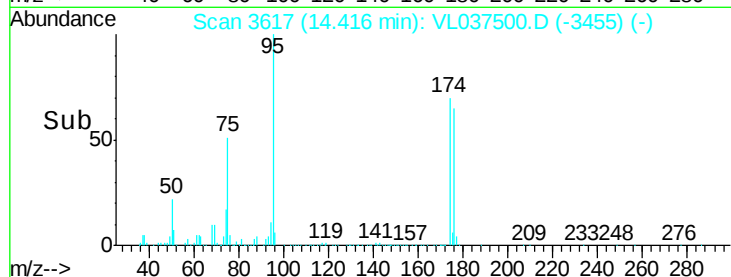
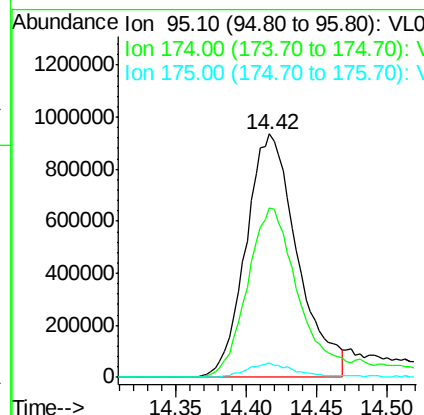
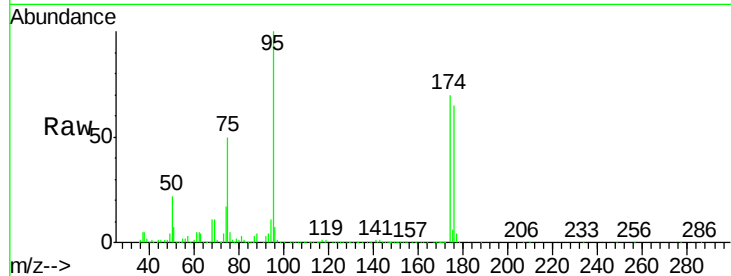
#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.645 ppbv
 RT: 14.42 min Scan# 3617
 Delta R.T. 0.02 min
 Lab File: VL037500.D
 Acq: 19 Aug 2021 15:56

Instrument :
 MSVOA_L
 ClientSampleId :
 SR-SG-1DUP

Tot Ion: 95 Resp: 2376121
 Ion Ratio Lower Upper
 95 100
 174 79.9 59.6 89.4
 175 5.9 4.6 7.0

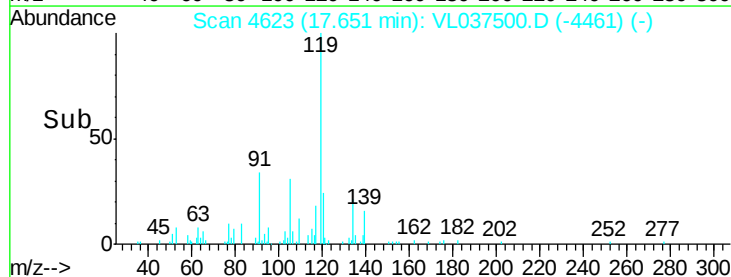
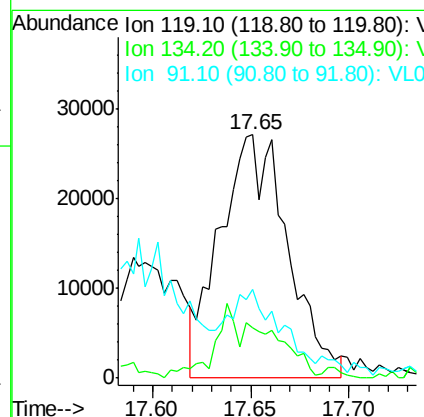
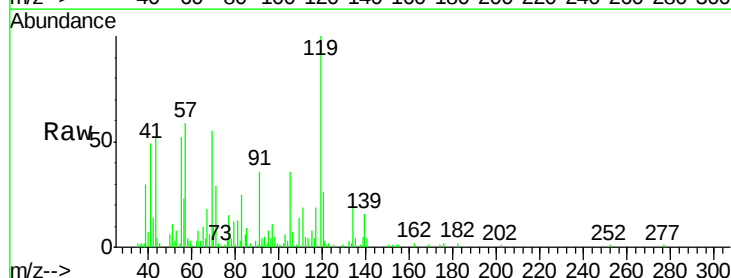
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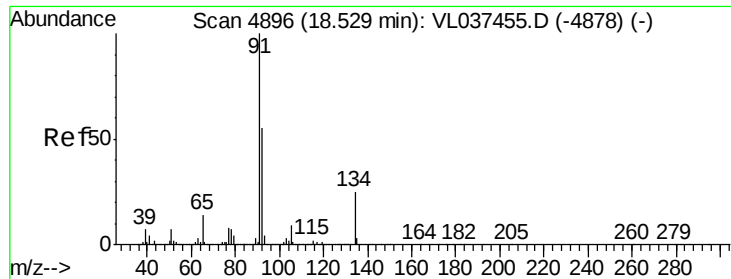
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#69
 p-Isopropyltoluene
 Concen: 0.114 ppbv m
 RT: 17.65 min Scan# 4623
 Delta R.T. 0.02 min
 Lab File: VL037500.D
 Acq: 19 Aug 2021 15:56

Tgt Ion: 119 Resp: 64977
 Ion Ratio Lower Upper
 119 100
 134 0.0 21.1 31.7#
 91 0.0 22.4 33.6#





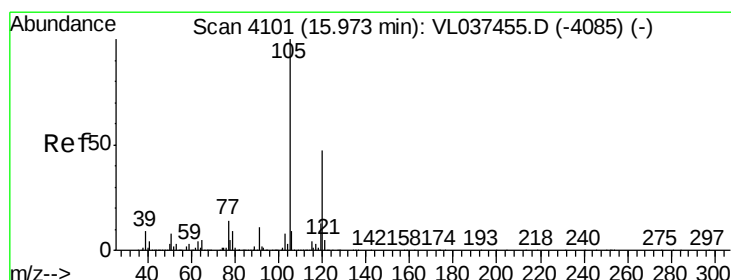
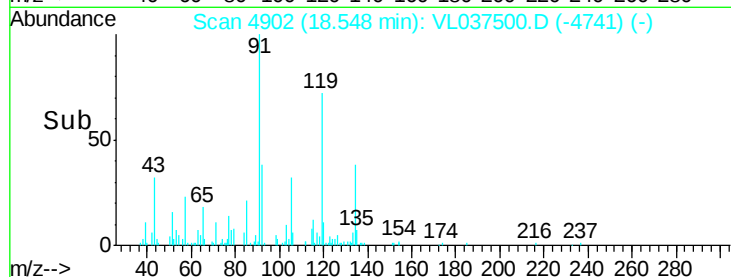
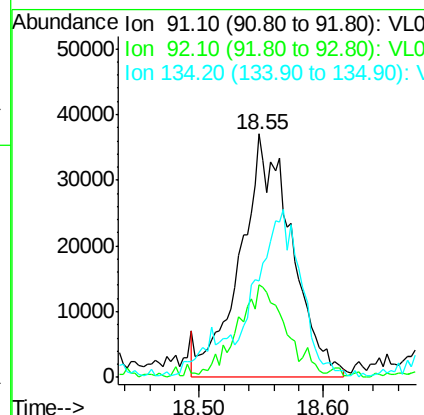
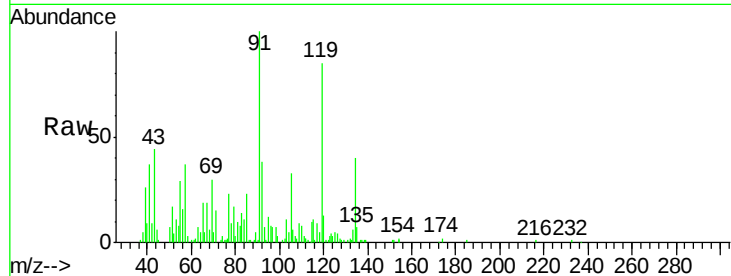
#70
n-Butylbenzene
Concen: 0.194 ppbv m
RT: 18.55 min Scan# 4902
Delta R.T. 0.02 min
Lab File: VL037500.D
Acq: 19 Aug 2021 15:56

Instrument :
MSVOA_L
ClientSampleId :
SR-SG-1DUP

Tot Ion	Ratio	Lower	Upper
91	100		
92	0.0	44.0	66.0#
134	71.2	19.5	29.3#

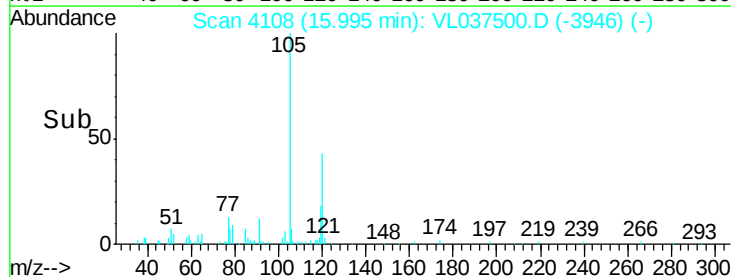
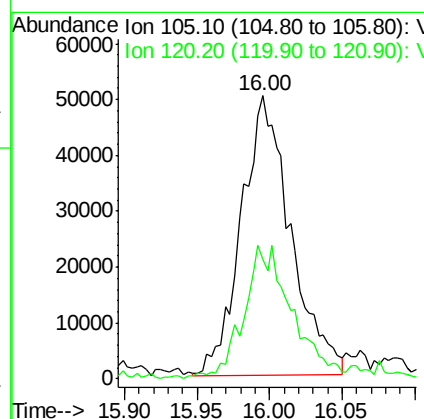
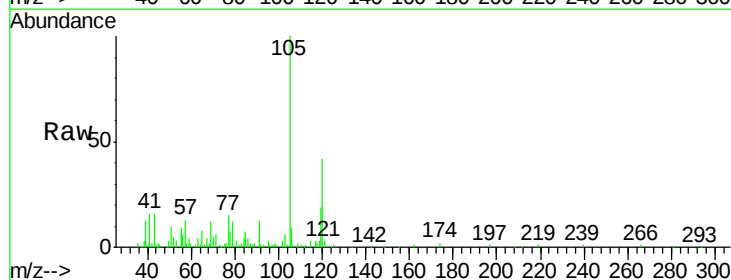
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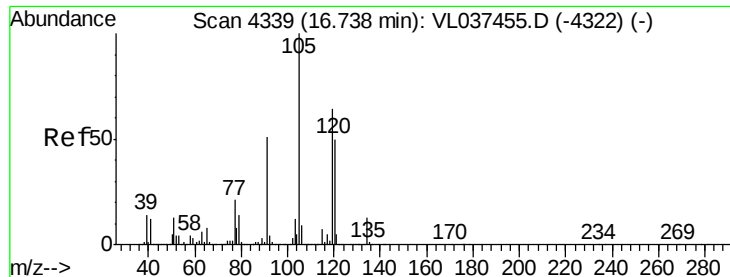
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#73
1,3,5-Trimethylbenzene
Concen: 0.276 ppbv
RT: 16.00 min Scan# 4108
Delta R.T. 0.02 min
Lab File: VL037500.D
Acq: 19 Aug 2021 15:56

Tgt Ion	Ratio	Lower	Upper
105	100		
120	41.8	37.6	56.4





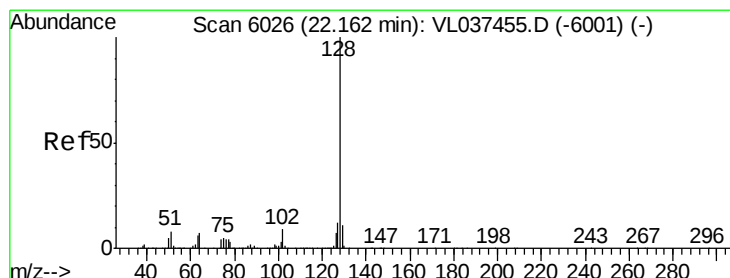
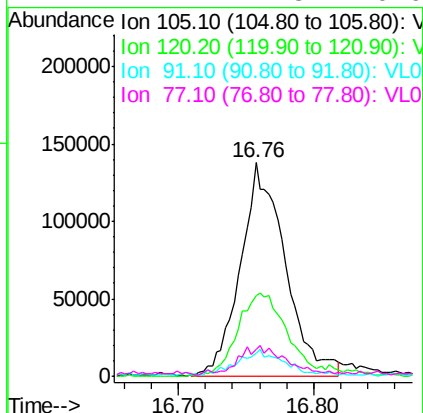
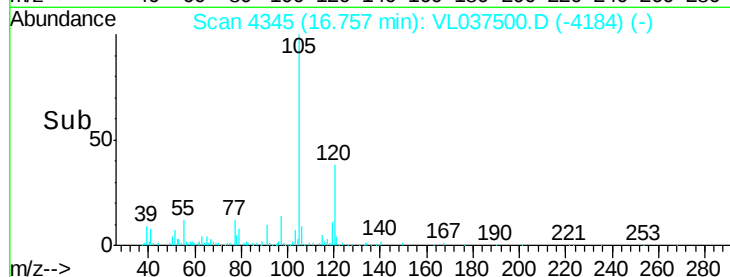
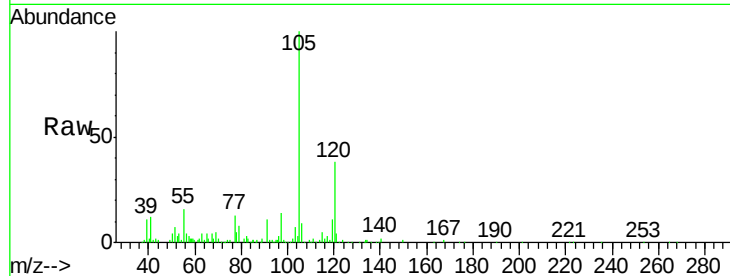
#74
1,2,4-Trimethylbenzene
Concen: 0.691 ppbv m
RT: 16.76 min Scan# 4345
Delta R.T. 0.02 min
Lab File: VL037500.D
Acq: 19 Aug 2021 15:56

Instrument :
MSVOA_L
ClientSampleId :
SR-SG-1DUP

Tot Ion	Ratio	Resp	Lower	Upper
105	100	316571		
120	37.9	40.4	60.6#	
91	10.6	44.6	67.0#	
77	12.7	17.8	26.6#	

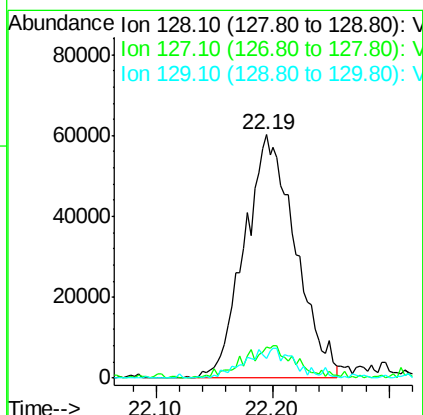
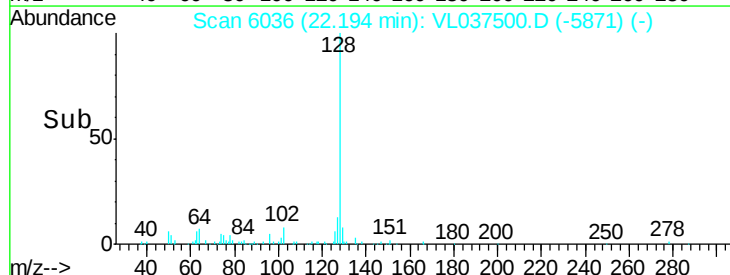
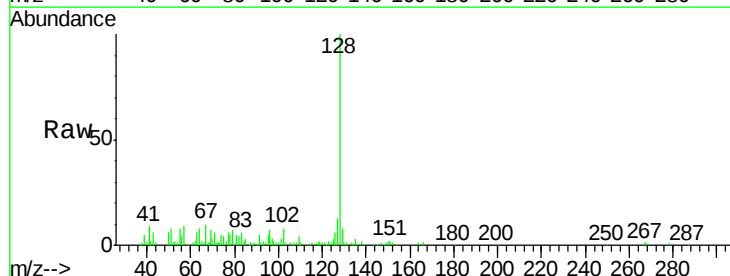
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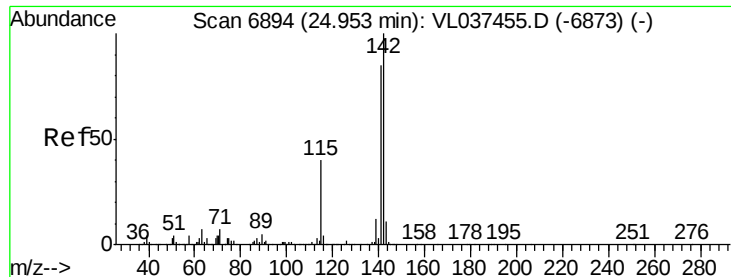
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#79
Naphthalene
Concen: 0.593 ppbv m
RT: 22.19 min Scan# 6036
Delta R.T. 0.03 min
Lab File: VL037500.D
Acq: 19 Aug 2021 15:56

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	181810		
127	13.0	9.4	14.2	
129	8.1	8.8	13.2#	





#80
 Naphthalene,2-methyl-
 Concen: 0.129 ppbv m
 RT: 24.97 min Scan# 6900
 Delta R.T. 0.02 min
 Lab File: VL037500.D
 Acq: 19 Aug 2021 15:56

Instrument :
 MSVOA_L
 ClientSampleId :
 SR-SG-1DUP

Tot Ion	Ratio	Lower	Upper
142	100		
141	69.3	64.7	97.1
115	51.6	28.4	42.6

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